

GenCore version 5.1.6
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3M protein - protein search, using sw model

run on: December 1, 2003, 07:18:41 ; Search time 6.73171 Seconds
(without alignments)
150.847 Million cell updates/sec

Title: US-10-032-658-4

Perfect score: 131

Sequence: 1 XCTGXADCTCTXACTCGXCPNA 24

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents AA:*
- 1: /cgn2_6/ptodata/1/iaa/5A-COMB.pcp.*
 - 2: /cgn2_6/ptodata/1/iaa/5B-COMB.pcp.*
 - 3: /cgn2_6/ptodata/1/iaa/6A-COMB.pcp.*
 - 4: /cgn2_6/ptodata/1/iaa/6B-COMB.pcp.*
 - 5: /cgn2_6/ptodata/1/iaa/PTCUS-COMB.pcp.*
 - 6: /cgn2_6/ptodata/1/iaa/backfiles1.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	126	96.2	124	4	US-08-882-907-17
2	126	96.2	124	4	US-08-882-907-19
3	126	96.2	148	4	US-08-882-907-15
4	124	94.7	24	4	US-08-882-907-4
5	124	94.7	112	4	US-08-882-907-11
6	124	94.7	112	4	US-08-882-907-13
7	97	74.0	108	1	US-08-485-359-2
8	97	74.0	108	1	US-08-569-594-2
9	97	74.0	108	5	PT-US96-08815-2
10	97	74.0	109	1	US-08-485-359-4
11	97	74.0	109	1	US-08-569-594-4
12	97	74.0	109	5	PCT-US96-08815-4
13	73.5	56.1	2211	4	US-09-738-884-1
14	73	55.7	1917	4	US-09-627-650B-5
15	73	55.7	1917	4	US-09-436-063C-5
16	71	54.2	1345	2	US-08-977-767-3
17	70.5	53.8	120	3	US-08-508-761B-22
18	68.5	52.3	45	4	US-08-900-230-14
19	68.5	52.3	2088	4	US-09-548-372D-13
20	68.5	52.3	2088	4	US-09-548-367D-13
21	68.5	52.3	2088	4	US-09-551-853D-13
22	67.5	51.5	1652	4	US-09-627-650B-1
23	67.5	51.5	1652	4	US-09-436-063C-1
24	67.5	51.5	2508	4	US-09-627-650B-7
25	67.5	51.5	2508	4	US-09-436-063C-7
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27	67.5	51.5	2544	4	US-09-436-063C-3

28 67.5 51.5 2601 4 US-09-627-650B-9 Sequence 9, Appli
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30 67 51.1 1128 4 US-09-627-650B-11 Sequence 11, Appl
31 67 51.1 1128 4 US-09-436-063C-11 Sequence 11, Appl
32 66.5 50.8 801 1 US-07-906-349A-6 Sequence 6, Appli
33 66.5 50.8 1400 4 US-08-630-915A-37 Sequence 37, Appl
34 66 50.4 908 4 US-08-714-741-44 Sequence 44, Appl
35 65.5 50.0 1417 4 US-08-900-230-3 Sequence 3, Appli
36 63.5 48.5 57 1 US-07-609-716-56 Sequence 56, Appl
37 61 46.6 47 3 US-08-482-085B-91 Sequence 91, Appl
38 60 45.8 45 4 US-08-900-230-17 Sequence 17, Appl
39 60 45.8 50 4 US-08-900-230-8 Sequence 8, Appli
40 59.5 45.4 45 4 US-08-900-230-11 Sequence 11, Appl
41 59 45.0 45 4 US-08-900-230-45 Sequence 45, Appl
42 59 45.0 3788 4 US-09-336-447A-76 Sequence 76, Appl
43 58.5 44.7 50 4 US-08-900-230-58 Sequence 58, Appl
44 58.5 44.7 54 1 US-08-279-058B-24 Sequence 24, Appl
45 58.5 44.7 54 4 US-08-828-323-24 Sequence 24, Appl

ALIGNMENTS

RESULT 1
US-08-882-907-17
; Sequence 17, Application US/08882907
; Patent No. 6392024
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; APPLICANT: Liou, Yih-Cherng
; APPLICANT: Walker, Virginia K.
; APPLICANT: Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 124 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-882-907-17

Query Match 96.2%; Score 126; DB 4; Length 124;

Best Local Similarity 87.0%; Pred. No. 1,3e+08;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 CTGXADCTCTXACTCGXCPNA 24

Db 30 CTGADCTCTAACTCGXCPNA 52

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 148 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-882-907-15
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; Query Match 96.2%; Score 126; DB 4; Length 148;
; Best Local Similarity 87.0%; Pred. No. 1.5e-08;
; Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY 2 CTGXADCTCTXACTGCGXCPNA 24
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Db 30 CTGGADCTCTACTGCGXCPNA 52
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RESULT 4
US-08-882-907-4
; Sequence 4, Application US/08882907
; Patent No. 6392024
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; APPLICANT: Liou, Yih-Cherng
; APPLICANT: Walker, Virginia K.
; APPLICANT: Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 124 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-882-907-19
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; Query Match 96.2%; Score 126; DB 4; Length 124;
; Best Local Similarity 87.0%; Pred. No. 1.3e-08;
; Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY 2 CTGXADCTCTXACTGCGXCPNA 24
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Db 30 CTGGADCTCTACTGCGXCPNA 52
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RESULT 3
US-08-882-907-15
; Sequence 15, Application US/08882907
; Patent No. 6392024
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; APPLICANT: Liou, Yih-Cherng
; APPLICANT: Walker, Virginia K.
; APPLICANT: Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 148 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-882-907-15
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; Query Match 96.2%; Score 126; DB 4; Length 148;
; Best Local Similarity 87.0%; Pred. No. 1.5e-08;
; Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY 2 CTGXADCTCTXACTGCGXCPNA 24
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Db 30 CTGGADCTCTACTGCGXCPNA 52
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; OTHER INFORMATION: /product= "OTHER"
; OTHER INFORMATION: /note= "Xaa = Gln or His"
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; NAME/KEY: Modified-site
; LOCATION: 5
; OTHER INFORMATION: /product= "OTHER"
; OTHER INFORMATION: /note= "Xaa = Ala or Gly"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 13
; OTHER INFORMATION: /product= "OTHER"
; OTHER INFORMATION: /note= "Xaa = Ala, Asp or Gly"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 20
; OTHER INFORMATION: /product= "OTHER"
; OTHER INFORMATION: /note= "Xaa = Asn or Ser"
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; US-08-882-907-4
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; Query Match 94.7%; Score 124; DB 4; Length 24;
; Best Local Similarity 100.0%; Pred. No. 5.6e-09;
; Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; QY 2 CTGXADCTCTXACTGCGKCPNA 24
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; Db 2 CTGXADCTCTXACTGCGKCPNA 24
;
; RESULT 5
; US-08-882-907-11
; Sequence 11, Application US/08882907
; Patent No. 6392024
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; APPLICANT: Liou, Yih-Cherng
; APPLICANT: Walker, Virginia K.
; APPLICANT: Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 112 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
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; MOLECULE TYPE: protein
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; US-08-882-907-13
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; MOLECULE TYPE: protein
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; US-08-882-907-11
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; Query Match 94.7%; Score 124; DB 4; Length 112;
; Best Local Similarity 87.0%; Pred. No. 2.1e-08;
; Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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; QY 2 CTGXADCTCTXACTGCGKCPNA 24
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; Db 30 CTGGADCTCTGACTGCGKCPNA 52
;
; RESULT 6
; US-08-882-907-13
; Sequence 13, Application US/08882907
; Patent No. 6392024
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; APPLICANT: Liou, Yih-Cherng
; APPLICANT: Walker, Virginia K.
; APPLICANT: Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 112 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
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; MOLECULE TYPE: protein
;
; US-08-882-907-13
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; MOLECULE TYPE: protein
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; US-08-882-907-13
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; Query Match 94.7%; Score 124; DB 4; Length 112;
; Best Local Similarity 87.0%; Pred. No. 2.1e-08;
; Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
;
; QY 2 CTGXADCTCTXACTGCGKCPNA 24
; | | | | | | | | | | | | | | | | | | | | | |
; Db 30 CTGGADCTCTGACTGCGKCPNA 52
;
; RESULT 7
; US-08-485-359-2
; Sequence 2, Application US/08485359
; Patent No. 5627051
; GENERAL INFORMATION:
; APPLICANT: Duman, John G.
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
; TITLE OF INVENTION: DENDROIDES CANADENSIS ANTIFREEZE PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
```

ADDRESSEE: Barnes & Thornburg
STREET: 11 South Meridian
CITY: Indianapolis
STATE: Indiana
COUNTRY: USA
ZIP: 46204
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,359
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lamert, Steven R.
REGISTRATION NUMBER: 27653
REFERENCE/DOCKET NUMBER: 835910-25377
TELECOMMUNICATION INFORMATION:
TELEPHONE: (317) 231-7258
TELEFAX: (317) 231-7433
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Dendroides canadensis
US-08-485-359-2

Query Match 74.0%; Score 97; DB 1; Length 108;
Best Local Similarity 65.2%; Pred. No. 3.3e-05;
Matches 15; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

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DB 27 CTGSDCRSCTVSCDTCQNCNCPNA 49

RESULT 8
US-08-569-594-2
Sequence 2, Application US/08569594
PATENT NO. 5633451
GENERAL INFORMATION:
APPLICANT: Duman, John G.
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
REFERENCE/DOCKET NUMBER: 835910-25377
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Barnes & Thornburg
STREET: 11 South Meridian
CITY: Indianapolis
STATE: Indiana
COUNTRY: USA
ZIP: 46204
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,594
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Lamert, Steven R.
REGISTRATION NUMBER: 27653
REFERENCE/DOCKET NUMBER: 835910-25377
TELECOMMUNICATION INFORMATION:

TELEPHONE: (317) 231-7258
TELEFAX: (317) 231-7433
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Dendroides canadensis
US-08-569-594-2

Query Match 74.0%; Score 97; DB 1; Length 108;
Best Local Similarity 65.2%; Pred. No. 3.3e-05;
Matches 15; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 2 CTGXADCTCTXACTGCGXCPNA 24
|||:|||||:|||||
DB 27 CTGSDCRSCTVSCDTCQNCNCPNA 49

RESULT 9
PCT-US96-08815-2
Sequence 2, Application PC/TUS9608815
GENERAL INFORMATION:
APPLICANT: Duman, John G.
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
REFERENCE/DOCKET NUMBER: 835910-27026
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Barnes & Thornburg
STREET: 11 South Meridian
CITY: Indianapolis
STATE: Indiana
COUNTRY: USA
ZIP: 46204
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08815
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Lamert, Steven R.
REGISTRATION NUMBER: 27653
REFERENCE/DOCKET NUMBER: 835910-27026
TELECOMMUNICATION INFORMATION:
TELEPHONE: (317) 231-7258
TELEFAX: (317) 231-7433
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Dendroides canadensis
PCT-US96-08815-2

Query Match 74.0%; Score 97; DB 5; Length 108;
Best Local Similarity 65.2%; Pred. No. 3.3e-05;
Matches 15; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

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DB 27 CTGSDCRSCTVSCDTCQNCNCPNA 49

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RESULT 10
US-08-485-359-4
; Sequence 4, Application US/08485359
; Patent No. 5627051
; GENERAL INFORMATION:
; APPLICANT: Duman, John G.
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
; DENDROIDES CANADENSIS ANTIFREEZE PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Barnes & Thornburg
; STREET: 11 South Meridian
; CITY: Indianapolis
; STATE: Indiana
; COUNTRY: USA
; ZIP: 46204
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,359
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Lammert, Steven R.
; REGISTRATION NUMBER: 27653
; REFERENCE/DOCKET NUMBER: 835910-25377
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 231-7258
; TELEFAX: (317) 231-7433
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 109 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Dendroides canadensis
; US-08-485-359-4

Query Match 74.0%; Score 97; DB 1; Length 109;
Best Local Similarity 65.2%; Pred. No. 3.4e-05;
Matches 15; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 2 CTGXA DCTCTACTGCGXCPNA 24
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Db 27 CTGGSDCRSCTVSTDCQNCNCPNA 49

RESULT 11
US-08-569-594-4
; Sequence 4, Application US/08569594
; Patent No. 5633451
; GENERAL INFORMATION:
; APPLICANT: Duman, John G.
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
; DENDROIDES CANADENSIS ANTIFREEZE PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Barnes & Thornburg
; STREET: 11 South Meridian
; CITY: Indianapolis
; STATE: Indiana
; COUNTRY: USA
; ZIP: 46204
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/08815
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lammert, Steven R.
; REGISTRATION NUMBER: 27653
; REFERENCE/DOCKET NUMBER: 835910-27026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 231-7258
; TELEFAX: (317) 231-7433
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 109 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/569,594
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Lammert, Steven R.
; REGISTRATION NUMBER: 27653
; REFERENCE/DOCKET NUMBER: 835910-25377
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 231-7258
; TELEFAX: (317) 231-7433
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 109 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Dendroides canadensis
; US-08-569-594-4

Query Match 74.0%; Score 97; DB 1; Length 109;
Best Local Similarity 65.2%; Pred. No. 3.4e-05;
Matches 15; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 2 CTGXA DCTCTACTGCGXCPNA 24
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Db 27 CTGGSDCRSCTVSTDCQNCNCPNA 49

RESULT 12
PCT-US96-08815-4
; Sequence 4, Application PC/TUS9608815
; GENERAL INFORMATION:
; APPLICANT: Duman, John G.
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
; DENDROIDES ANTIFREEZE PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Barnes & Thornburg
; STREET: 11 South Meridian
; CITY: Indianapolis
; STATE: Indiana
; COUNTRY: USA
; ZIP: 46204
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/08815
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lammert, Steven R.
; REGISTRATION NUMBER: 27653
; REFERENCE/DOCKET NUMBER: 835910-27026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 231-7258
; TELEFAX: (317) 231-7433
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 109 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
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; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Dendroides canadensis
PCT-US96-08815-4

Query Match 74.0%; Score 97; DB 5; Length 109;
Best Local Similarity 55.2%; Pred. No. 3.4e-05;
Matches 15; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 2 CTGXADCTCTACTCGGCPNA 24
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Db 27 CTGSDCRSCTVSCDQCPCNA 49

RESULT 13

US-09-738-884-1

; Sequence 1, Application US/09738884

; Patent No. 6391606

; GENERAL INFORMATION:

; APPLICANT: GUEGLER, Karl et al

; TITLE OF INVENTION: ISOLATED HUMAN PHOSPHOLIPASE PROTEINS,

; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHOLIPASE

; FILE REFERENCE: CL000849

; CURRENT APPLICATION NUMBER: US/09/738,884

; CURRENT FILING DATE: 2000-12-18

; NUMBER OF SEQ ID NOS: 5

; SOFTWARE: FASTSEQ for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 2211

; TYPE: PRT

; ORGANISM: Human

US-09-738-884-1

Query Match

Best Local Similarity 56.1%; Score 73.5; DB 4; Length 2211;

Matches 13; Conservative 0; Mismatches 7; Indels 3; Gaps 1;

QY 2 CTGXADCTCTACTCGGXC 21
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Db 396 CTGATCCACTCTATCTGCACC 418

RESULT 14

US-09-627-650B-5

; Sequence 5, Application US/09627650B

; Patent No. 6408872

; GENERAL INFORMATION:

; APPLICANT: Bamber, Bruce

; TITLE OF INVENTION: Jorgensen, Erik

; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and

; FILE REFERENCE: 21101.000903

; CURRENT APPLICATION NUMBER: US/09/627,650B

; CURRENT FILING DATE: 2000-07-28

; PRIOR APPLICATION NUMBER: US/09/436,063

; PRIOR FILING DATE: 1999-11-08

; PRIOR APPLICATION NUMBER: 60/107,727

; PRIOR FILING DATE: 1998-11-09

; NUMBER OF SEQ ID NOS: 50

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 5

; LENGTH: 1917

; TYPE: PRT

; ORGANISM: Caenorhabditis elegans

US-09-627-650B-5

Query Match

Best Local Similarity 55.7%; Score 73; DB 4; Length 1917;

Matches 12; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

QY 2 CTGXADCTCTACTCGGCPNA 24
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Db 1693 CTGGGCTTACTTTCATCCGGCAGA 1715

RESULT 15

US-09-436-063C-5

; Sequence 5, Application US/09436063C

; Patent No. 6407210

; GENERAL INFORMATION:

; APPLICANT: Bamber, Bruce

; TITLE OF INVENTION: Jorgensen, Erik

; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and

; FILE REFERENCE: P-1095corrected

; CURRENT APPLICATION NUMBER: US/09/436,063C

; CURRENT FILING DATE: 1999-11-08

; PRIOR APPLICATION NUMBER: 60/107727

; PRIOR FILING DATE: 1998-11-09

; NUMBER OF SEQ ID NOS: 18

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 5

; LENGTH: 1917

; TYPE: PRT

; ORGANISM: Caenorhabditis elegans

US-09-436-063C-5

Query Match

Best Local Similarity 55.7%; Score 73; DB 4; Length 1917;

Matches 12; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

QY 2 CTGXADCTCTACTCGGCPNA 24
|||:|||||:
|||:|||||:

Db 1693 CTGGGCTTACTTTCATCCGGCAGA 1715

Search completed: December 1, 2003, 07:30:00

Job time : 6.73171 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 1, 2003, 07:18:41 ; Search time 31.4146 Seconds
(without alignments)
150.847 Million cell updates/sec

Title: US-10-032-658-11

Perfect score: 664

Sequence: 1 MAFKTCGFSKKWLVIAIVM.....DSTNCYKATACINSTGCGP 112

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*

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- 2: /cgn2_6/prodata/1/iaa/5B_COMB.pep.*
- 3: /cgn2_6/prodata/1/iaa/5A_COMB.pep.*
- 4: /cgn2_6/prodata/1/iaa/5B_COMB.pep.*
- 5: /cgn2_6/prodata/1/iaa/PCTUS_COMB.pep.*
- 6: /cgn2_6/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	664	100.0	112	4	US-08-882-907-11
2	603	90.8	124	4	US-08-882-907-17
3	599	90.2	112	4	US-08-882-907-13
4	599	90.2	124	4	US-08-882-907-19
5	487	73.3	148	4	US-08-882-907-15
6	377.5	56.9	108	1	US-08-485-359-2
7	377.5	56.9	108	1	US-08-569-594-2
8	377.5	56.9	108	5	PCT-US96-08815-2
9	361	54.4	109	1	US-08-485-359-4
10	361	54.4	109	1	US-08-569-594-4
11	361	54.4	109	5	PCT-US96-08815-4
12	163.5	24.6	1917	4	US-09-627-650B-5
13	163.5	24.6	1917	4	US-09-436-063C-5
14	160.5	24.2	1345	2	US-08-977-767-3
15	160	24.1	2211	4	US-09-738-884-1
16	159.5	24.0	120	3	US-08-508-761B-22
17	157.5	23.7	1417	4	US-08-900-230-3
18	157	23.6	1128	4	US-09-627-650B-11
19	157	23.6	1128	4	US-09-436-063C-11
20	157	23.6	1652	4	US-09-627-650B-1
21	157	23.6	1652	4	US-09-436-063C-1
22	157	23.6	2508	4	US-09-627-650B-7
23	157	23.6	2508	4	US-09-436-063C-7
24	157	23.6	2544	4	US-09-627-650B-3
25	157	23.6	2544	4	US-09-436-063C-3
26	157	23.6	2601	4	US-09-627-650B-9
27	157	23.6	2601	4	US-09-436-063C-9

ALIGNMENTS

RESULT 1
US-08-882-907-11
; Sequence 11, Application US/08882907
; Patent No. 6392024
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; APPLICANT: Liou, Yih-Cherng
; APPLICANT: Walker, Virginia K.
; APPLICANT: Davies, Peter L.
; TITLE OF INVENTION: Terebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 112 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-882-907-11

Query Match 100.0%; Score 664; DB 4; Length 112;
Best Local Similarity 100.0%; Pred. No. 4.1e-52;
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAFKTCGFSKKWLVIAIVMCLCTECYCHTGGADCTCTDAGCGCNCPNAHTCTDSKN 60

DB 1 MAFKTCGFSKKWLVIAIVMCLCTECYCHTGGADCTCTDAGCGCNCPNAHTCTDSKN 60

APPLICANT: Davies, Peter L.

FILING DATE: 26-JUN-1997
CLASSIFICATION: 435

FILING DATE: 26-JUN-1997
CLASSIFICATION: 435


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Query Match          56.9%; Score 377.5; DB 1; Length 108;
Best Local Similarity 64.6%; Pred. No. 8.3e-27;
Matches 64; Conservative 13; Mismatches 21; Indels 1; Gaps 1;

QY 13 LVIAIVMCLCTECYCHCTGGAGDCTCTDACTCGGNCNPNAHT-CTDSKNCVKAACTCTGST 71
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Db 10 LVISVLMYVCHCYGQCCTGGSDCRSCTVSCDQCNPNARCTATRSSNCINALTCTDSY 69
      |||:::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::

QY 72 KGNARTCTNSKDCFEAKTCTDSTNCYKATCTNSTGCP 110
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Db 70 DCHNAETCTRRSNCYKATCTCTGTCNYEATCTDSTGCP 108
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; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; FILE REFERENCE: 21101.000903
; CURRENT APPLICATION NUMBER: US/09/627,650B
; PRIOR FILING DATE: 2000-07-28
; PRIOR FILING DATE: 1999-11-08
; PRIOR FILING DATE: 1999-11-08
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1917
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-627-650B-5

Query Match 24.6%; Score 163.5; DB 4; Length 1917;
Best Local Similarity 30.9%; Pred. No. 8.9e-07;
Matches 36; Conservative 6; Mismatches 42; Indels 37; Gaps 5;
QY 21 CLCTECYVC-----HCTGGADCTCTDACTGGCNCNPNHAHTCTDSKNVK----- 63
Db 1676 CTCTCAACGTGGCTACTGGCGCTACTTCTATCGGAGAGCCAGATTGAGGAGAGCAA 1735
QY 64 -----AATCTGSKCN---TARTCTNSK-----DCFEAKTCTDSTNCKYKATCTNS 106
Db 1736 CGGAACAGTCAAAATCTCTAATTTCTGATCACACCACTCTCATCTCATTC---TATTGT 1792
QY 107 TGC 109
Db 1793 AGC 1795

RESULT 13
US-09-436-063C-5
; Sequence 5, Application US/09436063C
; Patent No. 6407210
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; FILE REFERENCE: Methods Related Thereto
; FILE REFERENCE: P-1095corrected
; CURRENT APPLICATION NUMBER: US/09/436,063C
; CURRENT FILING DATE: 1999-11-08
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1917
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-436-063C-5

Query Match 24.6%; Score 163.5; DB 4; Length 1917;
Best Local Similarity 30.9%; Pred. No. 8.9e-07;
Matches 36; Conservative 6; Mismatches 42; Indels 37; Gaps 5;
QY 21 CLCTECYVC-----HCTGGADCTCTDACTGGCNCNPNHAHTCTDSKNVK----- 63
Db 1676 CTCTCAACGTGGCTACTGGCGCTACTTCTATCGGAGAGCCAGATTGAGGAGAGCAA 1735
QY 64 -----AATCTGSKCN---TARTCTNSK-----DCFEAKTCTDSTNCKYKATCTNS 106
Db 1736 CGGAACAGTCAAAATCTCTAATTTCTGATCACACCACTCTCATCTCATTC---TATTGT 1792
QY 107 TGC 109
Db 1793 AGC 1795

RESULT 14
US-08-977-767-3
; Sequence 3, Application US/08977767
; Patent No. 5972684
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Yue, Henry
; APPLICANT: Greenwald, Sara
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: CARBONIC ANHYDRASE VIII
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: Fast-Seq for Windows Version 2.0
; CURRENT APPLICATION DATA: US/08/977,767
; APPLICATION NUMBER: 3
; FILING DATE: Herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0423 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1345 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1532042
US-08-977-767-3

Query Match 24.2%; Score 160.5; DB 2; Length 1345;
Best Local Similarity 38.3%; Pred. No. 1.2e-06;
Matches 41; Conservative 2; Mismatches 45; Indels 19; Gaps 6;
QY 16 AVIVMCLTECYCHTGGADCTSC--TDACTCGNCNPNHAHTCTDSKNVKAA---TCTGS 70
Db 1012 AATATCACCTCCCTCCAG--CTGCATTCCCTCGCACT---TCTGAGCCAGAACTCTCCGG 1066
QY 71 TKONTARTCTNSKDCFEAKTCTDSTNCKYKAT-----ACTNSTGCPG 111
Db 1067 GTCCAGTCTT---CCAGAGCTCAGCCGTACGGCGGCCCTCCAG 1110

US-09-738-884-1
; Sequence 1, Application US/09738884
; Patent No. 6391606
; GENERAL INFORMATION:
; APPLICANT: GUEGLER, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN PHOSPHOLIPASE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHOLIPASE
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000849
; CURRENT APPLICATION NUMBER: US/09/738,884

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; CURRENT FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PASTSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 2211
;   TYPE: PRT
;   ORGANISM: Human
US-09-738-884-1

Query Match      24.1%; Score 160; DB 4; Length 2211;
Best Local Similarity 39.6%; Pred. No. 2.1e-06;
Matches 36; Conservative 0; Mismatches 45; Indels 10; Gaps 4;

QY      21 CLCTECYCHCTGGADCTCTDACTGGCGNCNPAHTCTDSKNCVKAAATCTGSTKCNARTCT 80
Db      1138 CACTGGGGGCTGGAGCAGCAGGCTGC--CATGGCCC--GCCACCTCTGCACCATC--CT 1190

QY      81 NSKDCFEAKTCTDSTNICYKATACTNSTGCPG 111
Db      1191 GGGGGACATGCTGGTG---ACACAGGCGGTG 1218
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Search completed: December 1, 2003, 07:30:00
Job time : 31.4146 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: December 1, 2003, 07:18:41 ; Search time 3.36585 Seconds
(without alignments)
150.847 Million cell updates/sec

Title: US-10-032-658-1

Perfect score: 42

Sequence: 1 CTXSSXXCXXAT 12

Scoring table: BLOSUM62

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Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	33	78.6	148	4	US-08-882-907-15
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3	32	76.2	109	1	US-08-569-594-4
4	32	76.2	109	5	PCT-US96-08815-4
5	32	76.2	112	4	US-08-882-907-11
6	32	76.2	112	4	US-08-882-907-13
7	31	73.8	28	1	US-08-485-359-7
8	31	73.8	28	1	US-08-569-594-7
9	31	73.8	28	5	PCT-US96-08815-7
10	31	73.8	108	1	US-08-485-359-2
11	31	73.8	108	1	US-08-569-594-2
12	31	73.8	108	5	PCT-US96-08815-2
13	31	73.8	124	4	US-08-882-907-17
14	31	73.8	124	4	US-08-882-907-19
15	30	71.4	12	4	US-08-882-907-1
16	30	71.4	126	4	US-09-252-991A-21726
17	30	71.4	2508	4	US-09-627-650B-7
18	30	71.4	2508	4	US-09-436-063C-7
19	30	71.4	2544	4	US-09-627-650B-3
20	30	71.4	2544	4	US-09-436-063C-3
21	30	71.4	2601	4	US-09-627-650B-9
22	30	71.4	2601	4	US-09-436-063C-9
23	29	69.0	341	2	US-08-209-521-11
24	29	69.0	2211	4	US-09-738-884-1
25	28	66.7	48	5	PCT-US96-01720-8
26	28	66.7	48	5	PCT-US96-01720-9
27	28	66.7	144	5	PCT-US93-07213-11

Query Match 78.6%; Score 33; DB 4; Length 148;
Best Local Similarity 50.0%; Pred. No. 16;
Matches 6; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 CTXSSXXCXXAT 12

DB 115 CTGSSNCYTATT 126

ALIGNMENTS

RESULT 1
US-08-882-907-15
; Sequence 15, Application US/08882907
; Patent No. 6392024
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; APPLICANT: Liou, Yih-Cheng
; APPLICANT: Walker, Virginia K.
; APPLICANT: Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 148 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-882-907-15

Sequence 21175, A
Sequence 6, Appli
Sequence 3, Appli
Sequence 37, Appli
Sequence 3, Appli
Sequence 47, Appli
Sequence 29444, A
Sequence 17476, A
Sequence 27726, A
Sequence 25719, A
Sequence 2, Appli
Sequence 3, Appli
Sequence 1, Appli
Sequence 1, Appli
Sequence 1, Appli
Sequence 1, Appli
Sequence 1, Appli

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RESULT 2
US-08-485-359-4
; Sequence 4, Application US/08485359
; Patent No. 5627051
; GENERAL INFORMATION:
; APPLICANT: Duman, John G.
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
; DENDROIDES CANADENSIS ANTIFREEZE PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Barnes & Thornburg
; STREET: 11 South Meridian
; CITY: Indianapolis
; STATE: Indiana
; COUNTRY: USA
; ZIP: 46204
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,359
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Lammert, Steven R.
; REGISTRATION NUMBER: 27653
; REFERENCE/DOCKET NUMBER: 835910-25377
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 231-7258
; TELEFAX: (317) 231-7433
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 109 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Dendroides canadensis
; US-08-485-359-4

Query Match 76.2%; Score 32; DB 1; Length 109;
Best Local Similarity 50.0%; Pred. No. 19;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 CTXSSXCXXXT 12
Db 89 CTGSTNCYEATT 100

RESULT 3
US-08-569-594-4
; Sequence 4, Application US/08569594
; Patent No. 5633451
; GENERAL INFORMATION:
; APPLICANT: Duman, John G.
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
; DENDROIDES CANADENSIS ANTIFREEZE PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Barnes & Thornburg
; STREET: 11 South Meridian
; CITY: Indianapolis
; STATE: Indiana
; COUNTRY: USA
; ZIP: 46204
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/569,594
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Lammert, Steven R.
; REGISTRATION NUMBER: 27653
; REFERENCE/DOCKET NUMBER: 835910-25377
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 231-7258
; TELEFAX: (317) 231-7433
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 109 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Dendroides canadensis
; US-08-569-594-4

Query Match 76.2%; Score 32; DB 1; Length 109;
Best Local Similarity 50.0%; Pred. No. 19;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 CTXSSXCXXXT 12
Db 89 CTGSTNCYEATT 100

RESULT 4
PCT-US96-08815-4
; Sequence 4, Application PC/TUS9608815
; GENERAL INFORMATION:
; APPLICANT: Duman, John G.
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
; DENDROIDES ANTIFREEZE PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Barnes & Thornburg
; STREET: 11 South Meridian
; CITY: Indianapolis
; STATE: Indiana
; COUNTRY: USA
; ZIP: 46204
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/08815
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lammert, Steven R.
; REGISTRATION NUMBER: 27653
; REFERENCE/DOCKET NUMBER: 835910-27026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (317) 231-7258
; TELEFAX: (317) 231-7433
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 109 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
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/ ORIGINAL SOURCE:
/ ORGANISM: Dendroides canadensis
PCT-US96-08815-4

Query Match 76.2%; Score 32; DB 5; Length 109;
Best Local Similarity 50.0%; Pred. No. 19;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 CTXSSXXCXXXT 12
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Db 89 CTGTCNCEATT 100

RESULT 5
US-08-882-907-11
/ Sequence 11, Application US/08882907
/ Patent No. 6392024
/ GENERAL INFORMATION:
/ APPLICANT: Graham, Laurie A.
/ APPLICANT: Liou, Yih-Cherng
/ APPLICANT: Walker, Virginia K.
/ APPLICANT: Davies, Peter L.
/ TITLE OF INVENTION: Tenebrio Antifreeze Proteins
/ NUMBER OF SEQUENCES: 22
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Townsend and Townsend and Crew LLP
/ STREET: Two Embarcadero Center, Eighth Floor
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94111-3834
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/882,907
/ FILING DATE: 26-JUN-1997
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Weber, Kenneth A.
/ REGISTRATION NUMBER: 31,677
/ REFERENCE/DOCKET NUMBER: 016252-002100US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 576-0200
/ TELEFAX: (415) 576-0300
/ INFORMATION FOR SEQ ID NO: 13:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 112 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
US-08-882-907-13

Query Match 76.2%; Score 32; DB 4; Length 112;
Best Local Similarity 50.0%; Pred. No. 19;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 CTXSSXXCXXXT 12
   ||| ||| |||
Db 67 CTGTDCTAQT 78

RESULT 7
US-08-485-359-7
/ Sequence 7, Application US/08485359
/ Patent No. 5827051
/ GENERAL INFORMATION:
/ APPLICANT: Duman, John G.
/ TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
/ TITLE OF INVENTION: DENDROIDES CANADENSIS ANTIFREEZE PROTEINS
/ NUMBER OF SEQUENCES: 9
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Barnes & Thornburg
/ STREET: 11 South Meridian
/ CITY: Indianapolis
/ STATE: Indiana
/ COUNTRY: USA
/ ZIP: 46204
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/485,359
/ FILING DATE:
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Lammert, Steven R.
/ REGISTRATION NUMBER: 27653
/ REFERENCE/DOCKET NUMBER: 835910-25377
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (317) 231-7258
```


TELEFAX: (317) 231-7433
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: Dendroides canadensis
US-08-485-359-7

Query Match 73.8%; Score 31; DB 1; Length 28;
Best Local Similarity 50.0%; Pred. No. 9.4;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 CTXSCXXCXXAT 12
||| | | | | |
DB 12 CTRSTNCYKAVT 23

RESULT 8
US-08-569-594-7
; Sequence 7, Application US/08569594
; Patent No. 5633451
; GENERAL INFORMATION:

APPLICANT: Duman, John G.
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
DENDROIDES CANADENSIS ANTIFREEZE PROTEINS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Barnes & Thornburg
STREET: 11 South Meridian
CITY: Indianapolis
STATE: Indiana
COUNTRY: USA
ZIP: 46204
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,594
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Lammert, Steven R.
REGISTRATION NUMBER: 27653
REFERENCE/DOCKET NUMBER: 835910-25377
TELECOMMUNICATION INFORMATION:
TELEPHONE: (317) 231-7258
TELEFAX: (317) 231-7433
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
ORGANISM: Dendroides canadensis
US-08-569-594-7

Query Match 73.8%; Score 31; DB 1; Length 28;
Best Local Similarity 50.0%; Pred. No. 9.4;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 CTXSCXXCXXAT 12

DB 12 CTRSTNCYKAVT 23
||| | | | | |

RESULT 9
PCT-US96-08815-7
; Sequence 7, Application PC/TUS9608815
; GENERAL INFORMATION:
APPLICANT: Duman, John G.
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
DENDROIDES ANTIFREEZE PROTEINS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Barnes & Thornburg
STREET: 11 South Meridian
CITY: Indianapolis
STATE: Indiana
COUNTRY: USA
ZIP: 46204
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08815
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Lammert, Steven R.
REGISTRATION NUMBER: 27653
REFERENCE/DOCKET NUMBER: 835910-27026
TELECOMMUNICATION INFORMATION:
TELEPHONE: (317) 231-7258
TELEFAX: (317) 231-7433
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
ORGANISM: Dendroides canadensis
PCT-US96-08815-7

Query Match 73.8%; Score 31; DB 5; Length 28;
Best Local Similarity 50.0%; Pred. No. 9.4;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 CTXSCXXCXXAT 12
||| | | | | |
DB 12 CTRSTNCYKAVT 23

RESULT 10
US-08-485-359-2
; Sequence 2, Application US/08485359
; Patent No. 5627051
; GENERAL INFORMATION:
APPLICANT: Duman, John G.
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
DENDROIDES CANADENSIS ANTIFREEZE PROTEINS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Barnes & Thornburg
STREET: 11 South Meridian
CITY: Indianapolis
STATE: Indiana
COUNTRY: USA
ZIP: 46204

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,359
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lammert, Steven R.
REGISTRATION NUMBER: 27653
REFERENCE/DOCKET NUMBER: 835910-25377
TELECOMMUNICATION INFORMATION:
TELEPHONE: (317) 231-7258
TELEFAX: (317) 231-7433
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Dendroides canadensis
US-08-485-359-2

Query Match 73.8%; Score 31; DB 1; Length 108;
Best Local Similarity 50.0%; Pred. No. 28;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 CTXSSXXCXXXT 12
DB 53 CTRSSNCINALT 64

RESULT 11
US-08-569-594-2
Sequence 2, Application US/08569594
Patent No. 5633451
GENERAL INFORMATION:
APPLICANT: Duman, John G.
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
REFERENCE/DOCKET NUMBER: 835910-25377
NUMBER OF SEQUENCES: 9
TELECOMMUNICATION INFORMATION:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Barnes & Thornburg
STREET: 11 South Meridian
CITY: Indianapolis
STATE: Indiana
COUNTRY: USA
ZIP: 46204
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/569,594
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Lammert, Steven R.
REGISTRATION NUMBER: 27653
REFERENCE/DOCKET NUMBER: 835910-25377
TELECOMMUNICATION INFORMATION:
TELEPHONE: (317) 231-7258
TELEFAX: (317) 231-7433
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid

TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Dendroides canadensis
US-08-569-594-2

Query Match 73.8%; Score 31; DB 1; Length 108;
Best Local Similarity 50.0%; Pred. No. 28;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 CTXSSXXCXXXT 12
DB 53 CTRSSNCINALT 64

RESULT 12
PCT-US96-08815-2
Sequence 2, Application PC/TUS9608815
GENERAL INFORMATION:
APPLICANT: Duman, John G.
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES ENCODING
REFERENCE/DOCKET NUMBER: 835910-27026
NUMBER OF SEQUENCES: 9
TELECOMMUNICATION INFORMATION:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Barnes & Thornburg
STREET: 11 South Meridian
CITY: Indianapolis
STATE: Indiana
COUNTRY: USA
ZIP: 46204
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08815
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Lammert, Steven R.
REGISTRATION NUMBER: 27653
REFERENCE/DOCKET NUMBER: 835910-27026
TELECOMMUNICATION INFORMATION:
TELEPHONE: (317) 231-7258
TELEFAX: (317) 231-7433
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Dendroides canadensis
PCT-US96-08815-2

Query Match 73.8%; Score 31; DB 5; Length 108;
Best Local Similarity 50.0%; Pred. No. 28;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 CTXSSXXCXXXT 12
DB 53 CTRSSNCINALT 64

RESULT 13
US-08-882-907-17
Sequence 17, Application US/08882907
Patent No. 6392024

GENERAL INFORMATION: 435
APPLICANT: Graham, Laurie A.
APPLICANT: Liou, Yih-Cherng
APPLICANT: Walker, Virginia K.
APPLICANT: Davies, Peter L.
TITLE OF INVENTION: Tenebrio Antifreeze Proteins
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/882,907
FILING DATE: 26-JUN-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Kenneth A.
REGISTRATION NUMBER: 31,677
REFERENCE/DOCKET NUMBER: 016252-002100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 124 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-882-907-17

Query Match 73.8%; Score 31; DB 4; Length 124;
Best Local Similarity 50.0%; Pred. No. 32;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 CTX5XXCXAXT 12
Db 79 CTGSRNCNTAMT 90

RESULT 14
US-08-882-907-19
Sequence 19, Application US/08882907
Patent No. 6392024
GENERAL INFORMATION:
APPLICANT: Graham, Laurie A.
APPLICANT: Liou, Yih-Cherng
APPLICANT: Walker, Virginia K.
APPLICANT: Davies, Peter L.
TITLE OF INVENTION: Tenebrio Antifreeze Proteins
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/882,907
FILING DATE: 26-JUN-1997

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Kenneth A.
REGISTRATION NUMBER: 31,677
REFERENCE/DOCKET NUMBER: 016252-002100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 124 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-882-907-19

Query Match 73.8%; Score 31; DB 4; Length 124;
Best Local Similarity 50.0%; Pred. No. 32;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 CTX5XXCXAXT 12
Db 79 CTGSRNCNTAMT 90

RESULT 15
US-08-882-907-1
Sequence 1, Application US/08882907
Patent No. 6392024
GENERAL INFORMATION:
APPLICANT: Graham, Laurie A.
APPLICANT: Liou, Yih-Cherng
APPLICANT: Walker, Virginia K.
APPLICANT: Davies, Peter L.
TITLE OF INVENTION: Tenebrio Antifreeze Proteins
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/882,907
FILING DATE: 26-JUN-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Kenneth A.
REGISTRATION NUMBER: 31,677
REFERENCE/DOCKET NUMBER: 016252-002100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..12
OTHER INFORMATION: /note= "consensus 12 amino acid repeating motif"
US-08-882-907-1

Query Match 71.4%; Score 30; DB 4; Length 12;
Best Local Similarity 100.0%; Pred.No. 7.1;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTXXXCXXAXT 12
| | | | | | | | | |
Db 1 CTXXXCXXAXT 12

Search completed: December 1, 2003, 07:29:59
Job time : 4.36585 secs

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OM protein - protein search, using sw model

Run on: December 1, 2003, 07:18:41 ; Search time 4.4878 Seconds
(without alignments)
150.847 Million cell updates/sec

Title: US-10-032-658-3

Perfect score: 64

Sequence: 1 XCTXXXCTCTXXCT 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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3: /cgn2_6/prodata/1/iaa/6A COMB.pep.*
4: /cgn2_6/prodata/1/iaa/6B COMB.pep.*
5: /cgn2_6/prodata/1/iaa/PCUTS COMB.pep.*
6: /cgn2_6/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	53	82.8	124	4	US-08-882-907-17
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4	52	81.2	124	4	US-08-882-907-4
5	52	81.2	112	4	US-08-882-907-11
6	52	81.2	112	4	US-08-882-907-13
7	49	76.6	16	4	US-08-882-907-3
8	48	75.0	45	4	US-08-900-230-14
9	47	73.4	50	4	US-08-900-230-58
10	47	73.4	1128	4	US-09-627-650B-11
11	47	73.4	1128	4	US-09-436-063C-11
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13	47	73.4	1652	4	US-09-436-063C-1
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15	47	73.4	2508	4	US-09-436-063C-7
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17	47	73.4	2544	4	US-09-436-063C-3
18	47	73.4	2601	4	US-09-627-650B-9
19	47	73.4	2601	4	US-09-436-063C-9
20	46	71.9	24	1	US-08-036-555B-41
21	46	71.9	24	1	US-08-469-569-41
22	46	71.9	24	1	US-08-249-322A-41
23	46	71.9	24	1	US-08-469-526A-41
24	46	71.9	24	2	US-08-734-591A-41
25	46	71.9	24	2	US-08-469-660-41
26	46	71.9	24	3	US-08-735-021-41
27	46	71.9	24	3	US-08-734-664A-41

28 46 71.9 24 5 PCT-US94-05083C-41 Sequence 41, Appl
29 46 71.9 24 5 PCT-US95-06846A-41 Sequence 41, Appl
30 46 71.9 108 1 US-08-485-359-2 Sequence 2, Appl
31 46 71.9 108 1 US-08-569-594-2 Sequence 2, Appl
32 46 71.9 108 5 PCT-US96-08815-2 Sequence 2, Appl
33 46 71.9 109 1 US-08-485-359-4 Sequence 4, Appl
34 46 71.9 109 1 US-08-569-594-4 Sequence 4, Appl
35 46 71.9 109 5 PCT-US96-08815-4 Sequence 3, Appl
36 45 70.3 1345 2 US-08-977-767-3 Sequence 3, Appl
37 43 67.2 2088 4 US-08-900-230-3 Sequence 3, Appl
38 43 67.2 2088 4 US-09-548-372D-13 Sequence 13, Appl
39 43 67.2 2088 4 US-09-548-367D-13 Sequence 13, Appl
40 43 67.2 2088 4 US-09-551-853D-13 Sequence 13, Appl
41 41.5 64.8 2211 4 US-09-738-884-1 Sequence 1, Appl
42 41 64.1 1400 4 US-08-630-915A-37 Sequence 37, Appl
43 41 64.1 1917 4 US-09-627-650B-5 Sequence 5, Appl
44 41 64.1 1917 4 US-09-436-063C-5 Sequence 5, Appl
45 40 62.5 45 4 US-08-900-230-10 Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-08-882-907-15
; Sequence 15, Application US/08882907
; Patent No. 6392024
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; APPLICANT: Liou, Yih-Cherng
; APPLICANT: Walker, Virginia K.
; APPLICANT: Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/882,907
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 148 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-882-907-15

Query Match 84.4%; Score 54; DB 4; Length 148;
Best Local Similarity 53.3%; Pred. No. 0.78;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

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DB 30 CTGAADCTCTACT 44

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LOCATION: 1
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OTHER INFORMATION: /note= "Xaa = Gln or His"
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LOCATION: 5
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LOCATION: 20
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OTHER INFORMATION: /note= "Xaa = Asn or Ser"
US-08-882-907-4
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Best Local Similarity 66.7%; Pred. No. 0.38;
Matches 10; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
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DB 2 CTGXADCTCTXACT 16
RESULT 5
US-08-882-907-11
; Sequence 11, Application US/08882907
; Patent No. 6392024
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; APPLICANT: Liou, Yih-Cherng
; APPLICANT: Walker, Virginia K.
; APPLICANT: Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 112 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-882-907-13
Query Match 81.2%; Score 52; DB 4; Length 24;
Best Local Similarity 66.7%; Pred. No. 0.38;
Matches 10; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 2 CTXXXXCTCTXXCT 16
DB 2 CTGXADCTCTXACT 16

MOLECULE TYPE: protein
US-08-882-907-11
Query Match 81.2%; Score 52; DB 4; Length 112;
Best Local Similarity 53.3%; Pred. No. 1.1;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 2 CTXXXXCTCTXXCT 16
DB 30 CTGGADCTCTGACT 44
RESULT 6
US-08-882-907-13
; Sequence 13, Application US/08882907
; Patent No. 6392024
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; APPLICANT: Liou, Yih-Cherng
; APPLICANT: Walker, Virginia K.
; APPLICANT: Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 112 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-882-907-13
Query Match 81.2%; Score 52; DB 4; Length 112;
Best Local Similarity 53.3%; Pred. No. 1.1;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 2 CTXXXXCTCTXXCT 16
DB 30 CTGGADCTCTGACT 44
RESULT 7
US-08-882-907-3
; Sequence 3, Application US/08882907
; Patent No. 6392024
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; APPLICANT: Liou, Yih-Cherng
; APPLICANT: Walker, Virginia K.
; APPLICANT: Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins

NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM: disk
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/882,907
FILING DATE: 26-JUN-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Kenneth A.
REGISTRATION NUMBER: 31,677
REFERENCE/DOCKET NUMBER: 016252-002100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..16
OTHER INFORMATION: /note= "consensus 16 amino acid
OTHER INFORMATION: N-terminal motif for YL-1, YL-2, YL-3
OTHER INFORMATION: and YL-4"
US-08-882-907-3

Query Match 76.6%; Score 49; DB 4; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.68;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 CTXXXXCTCTXXCT 16
DB 2 CTXXXXCTCTXXCT 16

RESULT 8
US-08-900-230-14
Sequence 14, Application US/08900230
Patent No. 6329197
GENERAL INFORMATION:
APPLICANT: Bard, Jonathan A.
TITLE OF INVENTION: DNA ENCODING GALANN GALR3 RECEPTORS AND
TITLE OF INVENTION: USES THEREOF
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of The Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 11036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/900,230
FILING DATE: 23-JUL-1997
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 52241-C/JPW/ADM
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE:
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-900-230-14
Query Match 75.0%; Score 48; DB 4; Length 45;
Best Local Similarity 46.7%; Pred. No. 1.9;
Matches 7; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 CTXXXXCTCTXXCT 16
DB 25 CTTAGCTACCTGCT 39

RESULT 9
US-08-900-230-58
Sequence 58, Application US/08900230
Patent No. 6329197
GENERAL INFORMATION:
APPLICANT: Bard, Jonathan A.
TITLE OF INVENTION: DNA ENCODING GALANN GALR3 RECEPTORS AND
TITLE OF INVENTION: USES THEREOF
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of The Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 11036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/900,230
FILING DATE: 23-JUL-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 52241-C/JPW/ADM
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO: 58:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE:
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-900-230-58
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Best Local Similarity 46.7%; Pred. No. 2.7;
Matches 7; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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 Db 9 CTAATAGACTACT 23

RESULT 10

US-09-627-650B-11
 ; Sequence 11, Application US/09627650B
 ; Patent No. 6406872
 ; GENERAL INFORMATION:
 ; APPLICANT: Bamber, Bruce
 ; APPLICANT: Jorgensen, Erik
 ; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
 ; FILE OF INVENTION: Methods Related Thereto
 ; FILE REFERENCE: 21101.0009U3
 ; CURRENT APPLICATION NUMBER: US/09/627,650B
 ; CURRENT FILING DATE: 2000-07-28
 ; PRIOR APPLICATION NUMBER: 09/436,063
 ; PRIOR FILING DATE: 1999-11-08
 ; PRIOR APPLICATION NUMBER: 60/107,727
 ; PRIOR FILING DATE: 1998-11-09
 ; NUMBER OF SEQ ID NOS: 50
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 11
 ; LENGTH: 1128
 ; TYPE: PRT
 ; ORGANISM: Caenorhabditis elegans
 US-09-627-650B-11

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 Best Local Similarity 46.7%; Pred. No. 25;
 Matches 7; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 CTXXXXCTXXCT 16
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 Db 575 CGTTTCTGCTATCT 589

RESULT 11

US-09-436-063C-11
 ; Sequence 11, Application US/09436063C
 ; Patent No. 6407210
 ; GENERAL INFORMATION:
 ; APPLICANT: Bamber, Bruce
 ; APPLICANT: Jorgensen, Erik
 ; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
 ; FILE OF INVENTION: Methods Related Thereto
 ; FILE REFERENCE: P-1095corrected
 ; CURRENT APPLICATION NUMBER: US/09/436,063C
 ; CURRENT FILING DATE: 1999-11-08
 ; PRIOR APPLICATION NUMBER: 60/107727
 ; PRIOR FILING DATE: 1998-11-09
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 11
 ; LENGTH: 1128
 ; TYPE: PRT
 ; ORGANISM: Caenorhabditis elegans
 US-09-436-063C-11

Query Match 73.4%; Score 47; DB 4; Length 1128;
 Best Local Similarity 46.7%; Pred. No. 25;
 Matches 7; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 CTXXXXCTXXCT 16
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 Db 575 CGTTTCTGCTATCT 589

RESULT 12

US-09-627-650B-1
 ; Sequence 1, Application US/09627650B

; Patent No. 6406872
 ; GENERAL INFORMATION:
 ; APPLICANT: Bamber, Bruce
 ; APPLICANT: Jorgensen, Erik
 ; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
 ; FILE OF INVENTION: Methods Related Thereto
 ; FILE REFERENCE: 21101.0009U3
 ; CURRENT APPLICATION NUMBER: US/09/627,650B
 ; CURRENT FILING DATE: 2000-07-28
 ; PRIOR APPLICATION NUMBER: 09/436,063
 ; PRIOR FILING DATE: 1999-11-08
 ; PRIOR APPLICATION NUMBER: 60/107,727
 ; PRIOR FILING DATE: 1998-11-09
 ; NUMBER OF SEQ ID NOS: 50
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 1652
 ; TYPE: PRT
 ; ORGANISM: Caenorhabditis elegans
 US-09-627-650B-1

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 Best Local Similarity 46.7%; Pred. No. 32;
 Matches 7; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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 Db 1076 CGTTTCTGCTATCT 1090

RESULT 13

US-09-436-063C-1
 ; Sequence 1, Application US/09436063C
 ; Patent No. 6407210
 ; GENERAL INFORMATION:
 ; APPLICANT: Bamber, Bruce
 ; APPLICANT: Jorgensen, Erik
 ; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
 ; FILE OF INVENTION: Methods Related Thereto
 ; FILE REFERENCE: P-1095corrected
 ; CURRENT APPLICATION NUMBER: US/09/436,063C
 ; CURRENT FILING DATE: 1999-11-08
 ; PRIOR APPLICATION NUMBER: 60/107727
 ; PRIOR FILING DATE: 1998-11-09
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 1652
 ; TYPE: PRT
 ; ORGANISM: Caenorhabditis elegans
 US-09-436-063C-1

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QY 2 CTXXXXCTXXCT 16
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 Db 1076 CGTTTCTGCTATCT 1090

RESULT 14

US-09-627-650B-7
 ; Sequence 7, Application US/09627650B
 ; Patent No. 6406872
 ; GENERAL INFORMATION:
 ; APPLICANT: Bamber, Bruce
 ; APPLICANT: Jorgensen, Erik
 ; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
 ; FILE OF INVENTION: Methods Related Thereto
 ; FILE REFERENCE: 21101.0009U3
 ; CURRENT APPLICATION NUMBER: US/09/627,650B
 ; CURRENT FILING DATE: 2000-07-28

; PRIOR APPLICATION NUMBER: 09/436,063
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107,727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 2508
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-627-650B-7

Query Match 73.4%; Score 47; DB 4; Length 2508;
Best Local Similarity 46.7%; Pred. No. 43;
Matches 7; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 CTXXXCTCTXXCT 16

Db 1960 CGGTTCTGCTATCT 1974

RESULT 15

US-09-436-063C-7
; Sequence 7, Application US/09436063C
; Patent No. 6407210
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; FILE REFERENCE: P-10950corrected
; CURRENT APPLICATION NUMBER: US/09/436,063C
; CURRENT FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 2508
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-436-063C-7

Query Match 73.4%; Score 47; DB 4; Length 2508;
Best Local Similarity 46.7%; Pred. No. 43;
Matches 7; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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Db 1960 CGGTTCTGCTATCT 1974

Search completed: December 1, 2003, 07:30:00
Job time : 5.4878 secs

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Run on: December 1, 2003, 07:18:41 ; Search time 371.512 Seconds
(without alignments)
55.604 Million cell updates/sec

Title: US-10-032-658-11

Perfect score: 664

Sequence: 1 MAFKTCGRSKWLVIIVM.....DSTNCYKATACINSGTCFGH 112

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Maximum Match 100%

Listing first 45 summaries

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and is derived by analysis of the total score distribution.

SUMMARIES

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4	599	90.2	124	14	US-10-032-658-19
5	487	73.3	148	14	US-10-032-658-15
6	184	27.7	2164	12	US-10-140-472-151
7	184	27.7	2164	12	US-10-141-761-151
8	184	27.7	2164	12	US-10-142-885-151
9	184	27.7	2164	12	US-10-158-790-151
10	184	27.7	2164	12	US-10-137-871-151
11	184	27.7	2164	12	US-10-140-805-151
12	184	27.7	2164	12	US-10-140-864-151
13	184	27.7	2164	12	US-10-140-923-151
14	184	27.7	2164	12	US-10-141-756-151
15	184	27.7	2164	12	US-10-141-759-151

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16 184 27.7 2164 15 US-10-123-155-151
17 184 27.7 2164 16 US-10-146-731-151
18 182.5 27.5 2380 12 US-10-063-685-161
19 182.5 27.5 2380 15 US-10-184-644-597
20 182.5 27.5 2380 15 US-10-184-634-597
21 180 27.1 756 12 US-10-140-472-171
22 180 27.1 756 12 US-10-141-761-171
23 180 27.1 756 12 US-10-142-885-171
24 180 27.1 756 12 US-10-158-790-171
25 180 27.1 756 12 US-10-137-871-171
26 180 27.1 756 12 US-10-140-805-171
27 180 27.1 756 12 US-10-140-864-171
28 180 27.1 756 12 US-10-140-923-171
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30 180 27.1 756 12 US-10-141-759-171
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32 180 27.1 756 16 US-10-146-731-171
33 178.5 26.9 3819 12 US-10-140-472-405
34 178.5 26.9 3819 12 US-10-141-761-405
35 178.5 26.9 3819 12 US-10-142-885-405
36 178.5 26.9 3819 12 US-10-158-790-405
37 178.5 26.9 3819 12 US-10-137-871-405
38 178.5 26.9 3819 12 US-10-140-805-405
39 178.5 26.9 3819 12 US-10-140-864-405
40 178.5 26.9 3819 12 US-10-140-923-405
41 178.5 26.9 3819 12 US-10-141-756-405
42 178.5 26.9 3819 12 US-10-141-759-405
43 178.5 26.9 3819 15 US-10-123-155-405
44 178.5 26.9 3819 16 US-10-146-731-405
45 177 26.7 2690 15 US-10-184-644-35
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ALIGNMENTS

RESULT 1
US-10-032-658-11
; Sequence 11, Application US/10032658
; Publication No. US20020165383A1
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; Liou, Yih-Cherng
; Walker, Virginia K.
; Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/032.658
; FILING DATE: 02-Jan-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/882.907
; FILING DATE: 26-JUN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:
LENGTH: 112 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-10-032-658-11

Query Match 100.0%; Score 664; DB 14; Length 112;
Best Local Similarity 100.0%; Pred. No. 2.5e-53;
Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAFKTCGFSKKWLVIIVVWCLCTECYCHCTGGADCTCTDSTNCKYKATACTNSTDGSKN 60
DB 1 MAFKTCGFSKKWLVIIVVWCLCTECYCHCTGGADCTCTDSTNCKYKATACTNSTDGSKN 60
QY 61 CVKAAATCTGSKNTARTCTNSKDCFEAKTCTDSTNCKYKATACTNSTDGCPGH 112
DB 61 CVKAAATCTGSKNTARTCTNSKDCFEAKTCTDSTNCKYKATACTNSTDGCPGH 112

RESULT 2
US-10-032-658-17
; Sequence 17, Application US/10032658
; Publication No. US20020165383A1
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; Liou, Yih-Cherng
; Walker, Virginia K.
; Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/032,658
; FILING DATE: 02-Jan-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 124 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-10-032-658-17

Query Match 90.8%; Score 603; DB 14; Length 124;
Best Local Similarity 83.9%; Pred. No. 9.7e-48;
Matches 104; Conservative 2; Mismatches 6; Indels 12; Gaps 1;

QY 1 MAFKTCGFSKKWLVIIVVWCLCTECYCHCTGGADCTCTDSTNCKYKATACTNSTDGSKN 59

Db 1 MAFKTCGFSKKWLVIIVVWCLCTECYCHCTGGADCTCTDSTNCKYKATACTNSTDGSKN 60
QY 60 -----NCVKAATCTGSKNTARTCTNSKDCFEAKTCTDSTNCKYKATACTNSTDG 108
DB 61 CVRAETCTDSENCVKAHTCTGSRNCNTAMTCTNSKDCFEAKTCTDSTNCKYKATACTNSTDG 120
QY 109 CPGH 112
DB 121 CPGH 124

RESULT 3
US-10-032-658-13
; Sequence 13, Application US/10032658
; Publication No. US20020165383A1
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; Liou, Yih-Cherng
; Walker, Virginia K.
; Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/032,658
; FILING DATE: 02-Jan-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 112 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-10-032-658-13

Query Match 90.2%; Score 599; DB 14; Length 112;
Best Local Similarity 90.2%; Pred. No. 2e-47;
Matches 101; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAFKTCGFSKKWLVIIVVWCLCTECYCHCTGGADCTCTDSTNCKYKATACTNSTDGSKN 60
DB 1 MAFKTCGFSKKWLVIIVVWCLCTECYCHCTGGADCTCTDSTNCKYKATACTNSTDGSKN 60
QY 61 CVKAAATCTGSKNTARTCTNSKDCFEAKTCTDSTNCKYKATACTNSTDGCPGH 112
DB 61 CVKAAATCTGSKNTARTCTNSKDCFEAKTCTDSTNCKYKATACTNSTDGCPGH 112

RESULT 4
US-10-032-658-19
; Sequence 19, Application US/10032658

Publication No. US20020165383A1
GENERAL INFORMATION:
APPLICANT: Graham, Laurie A.
Liou, Yih-Cherng
Walker, Virginia K.
Davies, Peter L.
TITLE OF INVENTION: Tenebrio Antifreeze Proteins
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/032,658
FILING DATE: 02-Jan-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/882,907
FILING DATE: 26-JUN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Kenneth A.
REGISTRATION NUMBER: 31,677
REFERENCE/DOCKET NUMBER: 016252-002100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0300
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 124 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-10-032-658-19
Query Match 90.2%; Score 599; DB 14; Length 124;
Best Local Similarity 83.1%; Pred. No. 2.2e-47;
Matches 103; Conservative 3; Mismatches 6; Indels 12; Gaps 1;
Qy 1 MAFKTCGFSKKWLVIIVMCLCTECYCHCTGGADCTCTDACTGCGNCPNAH----- 53
Db 1 MAFKTCGFSKKWLVIIVMCLCTECYCHCTGGADCTCTDACTGCGNCPNAH----- 53
Qy 54 -----TCTDSKNCVKAACTCTGSKNCNTARTCTNSKDCFEAKTCTDSTNCYKATACTNSTG 108
Db 61 CVRAETCTDSENCVKAHTCTGSRNCNTAMTCTNSKDCFEAKTCTDSTNCYKATACTNSTG 120
Qy 109 CPGH 112
Db 121 CPGH 124
RESULT 5
US-10-032-658-15
Sequence 15, Application US/10032658
Publication No. US20020165383A1
GENERAL INFORMATION:
APPLICANT: Graham, Laurie A.
Liou, Yih-Cherng
Walker, Virginia K.
Davies, Peter L.
TITLE OF INVENTION: Tenebrio Antifreeze Proteins
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/032,658
FILING DATE: 02-Jan-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/882,907
FILING DATE: 26-JUN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Kenneth A.
REGISTRATION NUMBER: 31,677
REFERENCE/DOCKET NUMBER: 016252-002100US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 148 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-10-032-658-15
Query Match 73.3%; Score 487; DB 14; Length 148;
Best Local Similarity 60.8%; Pred. No. 3.9e-37;
Matches 90; Conservative 5; Mismatches 17; Indels 36; Gaps 2;
Qy 1 MAFKTCGFSKKWLVIIVMCLCTECYCHCTGGADCTCTDACTGCGNCPNAHCTDSKN 60
Db 1 MSFKISTFTKIWLIIIVMCLCNEYNQCCTGAADCTCTAACTGCGNCPNAITCTGSKN 60
Qy 61 CVKAACTCTGSKNCN-----TARTCTNSKDCFE----- 87
Db 61 CVRATCTGTGTCNCRATCTNSKGCLEATTCTGTHCHRAATTCTNSKDCFEATTTCTGSSN 120
Qy 88 ----AKTCTDSTNCYKATACTNSTGCPGH 112
Db 121 CVTATTCTNSTNCYKATACTNSTGCPGH 148
RESULT 6
US-10-140-472-151
Sequence 151, Application US/10140472
Publication No. US2003013888A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Bersini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tamas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

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; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C168
; CURRENT APPLICATION NUMBER: US/10/140,472
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 151
; LENGTH: 2164
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-472-151

Query Match      27.7%; Score 184; DB 12; Length 2164;
Best Local Similarity 38.0%; Pred. No. 1.4e-08;
Matches 38; Conservative 4; Mismatches 42; Indels 16; Gaps 4;

QY 21 CLCTECYCHCTGGADCTCTDACTGCGNCPNAHTCT-----DSKNVCVKAATCTGST 71
DB 749 CCCAACCCACTGGAGCTCCA-ACTGCACACAGTCCCCGACAGAGGAGTCCAGCTCTGAC 807

QY 72 KNTARTCTNSKDCFEAKTCTDSTNVCYKATCTNSTGCGP 111
DB 808 -CACACAC-----CCACTTCACATGCCACAGCTGAGCCAG 841

RESULT 7
US-10-141-761-151
; Sequence 151, Application US/10/141761
; Publication No. US20030148432A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Mary E.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Smith, Victoria
; APPLICANT: Sherwood, Steven
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C198
; CURRENT APPLICATION NUMBER: US/10/141,761
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 151
; LENGTH: 2164
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-141-761-151

Query Match      27.7%; Score 184; DB 12; Length 2164;
Best Local Similarity 38.0%; Pred. No. 1.4e-08;
Matches 38; Conservative 4; Mismatches 42; Indels 16; Gaps 4;

QY 21 CLCTECYCHCTGGADCTCTDACTGCGNCPNAHTCT-----DSKNVCVKAATCTGST 71
DB 749 CCCAACCCACTGGAGCTCCA-ACTGCACACAGTCCCCGACAGAGGAGTCCAGCTCTGAC 807

QY 72 KNTARTCTNSKDCFEAKTCTDSTNVCYKATCTNSTGCGP 111
DB 808 -CACACAC-----CCACTTCACATGCCACAGCTGAGCCAG 841

RESULT 8
US-10-142-885-151
; Sequence 151, Application US/10/142885
; Publication No. US20030157604A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Mary E.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Smith, Victoria
; APPLICANT: Sherwood, Steven
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C248
; CURRENT APPLICATION NUMBER: US/10/142,885
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 151
; LENGTH: 2164
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-142-885-151

Query Match      27.7%; Score 184; DB 12; Length 2164;
Best Local Similarity 38.0%; Pred. No. 1.4e-08;
Matches 38; Conservative 4; Mismatches 42; Indels 16; Gaps 4;

QY 21 CLCTECYCHCTGGADCTCTDACTGCGNCPNAHTCT-----DSKNVCVKAATCTGST 71
DB 749 CCCAACCCACTGGAGCTCCA-ACTGCACACAGTCCCCGACAGAGGAGTCCAGCTCTGAC 807

QY 72 KNTARTCTNSKDCFEAKTCTDSTNVCYKATCTNSTGCGP 111
DB 808 -CACACAC-----CCACTTCACATGCCACAGCTGAGCCAG 841

RESULT 9
US-10-158-790-151
; Sequence 151, Application US/10/158790
; Publication No. US20030180879A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Mary E.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C448
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; CURRENT APPLICATION NUMBER: US/10/158,790
; CURRENT FILING DATE: 2002-05-30
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 151
; LENGTH: 2164
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-158-790-151

Query Match          27.7%; Score 184; DB 12; Length 2164;
Best Local Similarity 38.0%; Pred. No. 1.4e-08;
Matches 38; Conservative 4; Mismatches 42; Indels 16; Gaps 4;

QY 21 CLCTCYCHCTGGADCTCTDACTGCGNCPNAHTCT-----DSKNCKVKAATCTGST 71
DB 749 CCCAACCCACTGGAGTCCA-ACTGCACAGAGTCCCCACAGAGGAGTCCAGCTCTGCAC 807

QY 72 KNTARTCTNSKDCFEAKTCTDSTNCKYKATACNTNSTGCPG 111
DB 808 -CACACAC-----CCACTTCACATGCCACAGCTGAGCCAG 841

RESULT 10
US-10-137-871-151
; Sequence 151, Application US/10137871
; Publication No. US20030207350A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C153
; CURRENT APPLICATION NUMBER: US/10/137,871
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 151
; LENGTH: 2164
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-137-871-151

Query Match          27.7%; Score 184; DB 12; Length 2164;
Best Local Similarity 38.0%; Pred. No. 1.4e-08;
Matches 38; Conservative 4; Mismatches 42; Indels 16; Gaps 4;

QY 21 CLCTCYCHCTGGADCTCTDACTGCGNCPNAHTCT-----DSKNCKVKAATCTGST 71
DB 749 CCCAACCCACTGGAGTCCA-ACTGCACAGAGTCCCCACAGAGGAGTCCAGCTCTGCAC 807

QY 72 KNTARTCTNSKDCFEAKTCTDSTNCKYKATACNTNSTGCPG 111
DB 808 -CACACAC-----CCACTTCACATGCCACAGCTGAGCCAG 841

RESULT 11
US-10-140-805-151
; Sequence 151, Application US/10140805
; Publication No. US20030207417A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C176
; CURRENT APPLICATION NUMBER: US/10/140,805
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 151
; LENGTH: 2164
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-805-151

Query Match          27.7%; Score 184; DB 12; Length 2164;
Best Local Similarity 38.0%; Pred. No. 1.4e-08;
Matches 38; Conservative 4; Mismatches 42; Indels 16; Gaps 4;

QY 21 CLCTCYCHCTGGADCTCTDACTGCGNCPNAHTCT-----DSKNCKVKAATCTGST 71
DB 749 CCCAACCCACTGGAGTCCA-ACTGCACAGAGTCCCCACAGAGGAGTCCAGCTCTGCAC 807

QY 72 KNTARTCTNSKDCFEAKTCTDSTNCKYKATACNTNSTGCPG 111
DB 808 -CACACAC-----CCACTTCACATGCCACAGCTGAGCCAG 841

RESULT 12
US-10-140-864-151
; Sequence 151, Application US/10140864
; Publication No. US20030207419A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C184
; CURRENT APPLICATION NUMBER: US/10/140,864
; CURRENT FILING DATE: 2002-05-07
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; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 151

; LENGTH: 2164

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-140-864-151

Query Match 27.7%; Score 184; DB 12; Length 2164;

Best Local Similarity 38.0%; Pred. No. 1.4e-08;

Matches 38; Conservative 4; Mismatches 42; Indels 16; Gaps 4;

QY 21 CLCTECYCHTGADCTSDTDACTGCGNCPNAHTCT-----DSKNVCVKAATCTGCT 71

Db 749 CCCAACCCACTGGAGTCCA-AC TGACACAGAGTCCCGACAGAGGAGTCCAGCTCTGAC 807

QY 72 KNTARTCTNSKDCFEAKTCTDSTNCKYKATACTNSTGCPG 111

Db 808 -CACACAC-----CCACTTCACATGCCACAGCTGAGCCAG 841

RESULT 13

US-10-140-923-151

; Sequence 151, Application US/10140923

; Publication No. US20030207355A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C188

; CURRENT APPLICATION NUMBER: US/10/140,923

; CURRENT FILING DATE: 2002-05-07

; Prior Application removed - See Palm or File Wrapper

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 151

; LENGTH: 2164

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-140-923-151

Query Match 27.7%; Score 184; DB 12; Length 2164;

Best Local Similarity 38.0%; Pred. No. 1.4e-08;

Matches 38; Conservative 4; Mismatches 42; Indels 16; Gaps 4;

QY 21 CLCTECYCHTGADCTSDTDACTGCGNCPNAHTCT-----DSKNVCVKAATCTGCT 71

Db 749 CCCAACCCACTGGAGTCCA-AC TGACACAGAGTCCCGACAGAGGAGTCCAGCTCTGAC 807

QY 72 KNTARTCTNSKDCFEAKTCTDSTNCKYKATACTNSTGCPG 111

Db 808 -CACACAC-----CCACTTCACATGCCACAGCTGAGCCAG 841

RESULT 14

US-10-141-756-151

; Sequence 151, Application US/10141756

; Publication No. US20030207359A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C200

; CURRENT APPLICATION NUMBER: US/10/141,756

; CURRENT FILING DATE: 2002-05-08

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 151

; LENGTH: 2164

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-141-756-151

Query Match 27.7%; Score 184; DB 12; Length 2164;

Best Local Similarity 38.0%; Pred. No. 1.4e-08;

Matches 38; Conservative 4; Mismatches 42; Indels 16; Gaps 4;

QY 21 CLCTECYCHTGADCTSDTDACTGCGNCPNAHTCT-----DSKNVCVKAATCTGCT 71

Db 749 CCCAACCCACTGGAGTCCA-AC TGACACAGAGTCCCGACAGAGGAGTCCAGCTCTGAC 807

QY 72 KNTARTCTNSKDCFEAKTCTDSTNCKYKATACTNSTGCPG 111

Db 808 -CACACAC-----CCACTTCACATGCCACAGCTGAGCCAG 841

RESULT 15

US-10-141-759-151

; Sequence 151, Application US/10141759

; Publication No. US20030207361A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C197

; CURRENT APPLICATION NUMBER: US/10/141,759

; CURRENT FILING DATE: 2002-05-08

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550


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; SEQ ID NO 151
; LENGTH: 2164
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-141-759-151

Query Match      27.7%   Score 184; DB 12; Length 2164;
Best Local Similarity 38.0%   Pred. No. 1.4e-08;
Matches 38; Conservative 4; Mismatches 42; Indels 16; Gaps 4;

QY      21 CLCTECYCHCTGGADCTCTDAGTCGCGNCPNAHTCT-----DSKNCVKAAATCTGTGT 71
Db      749 CCAACCCACTGGAGCTCCA-CTGCACACAGAGTCCCCGACAGAGGAGTCCAGCTCTGAC 807

QY      72 KONTARTCTNSKDCFEAKTCTDSTNCTNYKATACNTNCGCPG 111
Db      808 -CACACAC-----CCACTTCACATGCCACAGCTGAGCCAG 841

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Search completed: December 1, 2003, 07:29:01
Job time : 372.512 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 1, 2003, 07:18:41 ; Search time 39.8049 Seconds
(without alignments)
55.604 Million cell updates/sec

Title: US-10-032-658-1

Perfect score: 42

Sequence: 1 CTXSSXXXXXT 12

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 673684 seqs, 184443283 residues

Total number of hits satisfying chosen parameters: 673684

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US05_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
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11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	33	78.6	148	14	US-10-032-658-15
2	33	78.6	494	12	Sequence 15, Appl
3	33	78.6	1701	12	Sequence 29, Appl
4	33	78.6	1701	12	Sequence 29, Appl
5	33	78.6	1701	12	Sequence 29, Appl
6	33	78.6	1701	12	Sequence 29, Appl
7	33	78.6	1701	12	Sequence 29, Appl
8	33	78.6	1701	12	Sequence 29, Appl
9	33	78.6	1701	12	Sequence 29, Appl
10	33	78.6	1701	12	Sequence 29, Appl
11	33	78.6	1701	12	Sequence 29, Appl
12	33	78.6	1701	12	Sequence 29, Appl
13	33	78.6	1701	12	Sequence 29, Appl
14	33	78.6	1701	12	Sequence 29, Appl
15	33	78.6	2134	12	Sequence 179, App

16 33 78.6 2134 12 US-10-141-761-179 Sequence 179, App
17 33 78.6 2134 12 US-10-142-885-179 Sequence 179, App
18 33 78.6 2134 12 US-10-158-790-179 Sequence 179, App
19 33 78.6 2134 12 US-10-137-871-179 Sequence 179, App
20 33 78.6 2134 12 US-10-140-805-179 Sequence 179, App
21 33 78.6 2134 12 US-10-140-864-179 Sequence 179, App
22 33 78.6 2134 12 US-10-140-923-179 Sequence 179, App
23 33 78.6 2134 12 US-10-141-756-179 Sequence 179, App
24 33 78.6 2134 12 US-10-141-759-179 Sequence 179, App
25 33 78.6 2134 15 US-10-123-155-179 Sequence 179, App
26 33 78.6 2134 16 US-10-146-731-179 Sequence 179, App
27 33 78.6 2212 15 US-10-184-644-325 Sequence 325, App
28 33 78.6 2212 15 US-10-184-634-325 Sequence 325, App
29 33 78.6 2275 15 US-10-184-644-401 Sequence 401, App
30 33 78.6 2275 15 US-10-184-634-401 Sequence 401, App
31 33 78.6 2340 15 US-10-184-634-379 Sequence 379, App
32 33 78.6 2340 15 US-10-184-634-379 Sequence 379, App
33 33 78.6 2475 12 US-10-140-472-467 Sequence 467, App
34 33 78.6 2475 12 US-10-141-761-467 Sequence 467, App
35 33 78.6 2475 12 US-10-142-885-467 Sequence 467, App
36 33 78.6 2475 12 US-10-158-790-467 Sequence 467, App
37 33 78.6 2475 12 US-10-137-871-467 Sequence 467, App
38 33 78.6 2475 12 US-10-140-805-467 Sequence 467, App
39 33 78.6 2475 12 US-10-140-864-467 Sequence 467, App
40 33 78.6 2475 12 US-10-140-923-467 Sequence 467, App
41 33 78.6 2475 12 US-10-141-756-467 Sequence 467, App
42 33 78.6 2475 15 US-10-123-155-467 Sequence 467, App
43 33 78.6 2475 16 US-10-146-731-467 Sequence 467, App
44 33 78.6 2700 12 US-10-140-472-27 Sequence 27, Appl

ALIGNMENTS

RESULT 1
US-10-032-658-15
; Sequence 15, Application US/10032658
; Publication No. US20020165303A1
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; Liou, Yih-Cherng
; Walker, Virginia K.
; Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/032,658
; FILING DATE: 02-Jan-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:
LENGTH: 148 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-10-032-658-15

Query Match 78.6%; Score 33; DB 14; Length 148;
Best Local Similarity 50.0%; Pred. No. 29;
Matches 6; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 CTXSSXXCXXAYT 12
|||:|:|:|:
Db 115 CTGSSNCYTATT 126

RESULT 2

US-10-063-685-29
; Sequence 29, Application US/10063695
; Publication No. US20030180909A1
; GENERAL INFORMATION:

; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,685
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 29
; LENGTH: 494
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-063-685-29

Query Match 78.6%; Score 33; DB 12; Length 494;
Best Local Similarity 41.7%; Pred. No. 77;
Matches 5; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 1 CTXSSXXCXXAYT 12
|||:|:|:|:
Db 342 CTTTACTAATT 353

RESULT 3

US-10-140-472-29
; Sequence 29, Application US/10140472
; Publication No. US20030138888A1
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C168
; CURRENT APPLICATION NUMBER: US/10/140,472
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 29
; LENGTH: 1701
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-472-29

Query Match 78.6%; Score 33; DB 12; Length 1701;
Best Local Similarity 41.7%; Pred. No. 2.1e+02;
Matches 5; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 1 CTXSSXXCXXAYT 12
|||:|:|:|:
Db 1403 CTTTTCATATT 1414

RESULT 4

US-10-141-761-29
; Sequence 29, Application US/10141761
; Publication No. US20030148432A1
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C198
; CURRENT APPLICATION NUMBER: US/10/141,761
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 29
; LENGTH: 1701
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-141-761-29

Query Match 78.6%; Score 33; DB 12; Length 1701;
Best Local Similarity 41.7%; Pred. No. 2.1e+02;
Matches 5; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 1 CTXSSXXCXXAYT 12
|||:|:|:|:
Db 1403 CTTTTCATATT 1414

RESULT 5

US-10-142-885-29
; Sequence 29, Application US/10142885
; Publication No. US20030157604A1
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C248
; CURRENT APPLICATION NUMBER: US/10/142,885
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 29
; LENGTH: 1701
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-142-885-29

Query Match 78.6%; Score 33; DB 12; Length 1701;
Best Local Similarity 41.7%; Pred. No. 2.1e+02;
Matches 5; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

OY 1 CTX5XXCXXAXT 12
|||:|:|:|:
Db 1403 CTTTTCATATT 1414

RESULT 6
US-10-158-790-29
; Sequence 29, Application US/10158790
; Publication No. US20030180879A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C448
; CURRENT APPLICATION NUMBER: US/10/158,790
; CURRENT FILING DATE: 2002-05-30
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 29
; LENGTH: 1701
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-158-790-29

Query Match 78.6%; Score 33; DB 12; Length 1701;
Best Local Similarity 41.7%; Pred. No. 2.1e+02;
Matches 5; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

OY 1 CTX5XXCXXAXT 12
|||:|:|:|:
Db 1403 CTTTTCATATT 1414

RESULT 7
US-10-137-871-29
; Sequence 29, Application US/10137871
; Publication No. US20030207350A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C153
; CURRENT APPLICATION NUMBER: US/10/137,871
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 29
; LENGTH: 1701
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-137-871-29

Query Match 78.6%; Score 33; DB 12; Length 1701;
Best Local Similarity 41.7%; Pred. No. 2.1e+02;
Matches 5; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

OY 1 CTX5XXCXXAXT 12
|||:|:|:|:
Db 1403 CTTTTCATATT 1414

RESULT 8
US-10-140-805-29
; Sequence 29, Application US/10140805
; Publication No. US20030207417A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel

```
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C176
; CURRENT APPLICATION NUMBER: US/10/140.805
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 29
; LENGTH: 1701
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-805-29

Query Match      78.6%; Score 33; DB 12; Length 1701;
Best Local Similarity 41.7%; Pred. No. 2.1e+02;
Matches 5; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy      1 CTXSSXXCXXXT 12
Db      1403 CTTTTCATATT 1414

RESULT 9
US-10-140-864-29
; Sequence 29, Application US/10140864
; Publication No. US20030207419A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C184
; CURRENT APPLICATION NUMBER: US/10/140.864
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 29
; LENGTH: 1701
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-864-29

Query Match      78.6%; Score 33; DB 12; Length 1701;
Best Local Similarity 41.7%; Pred. No. 2.1e+02;
Matches 5; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy      1 CTXSSXXCXXXT 12
Db      1403 CTTTTCATATT 1414

RESULT 10
US-10-140-923-29
; Sequence 29, Application US/10140923
; Publication No. US20030207355A1
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; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C188
; CURRENT APPLICATION NUMBER: US/10/140.923
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 29
; LENGTH: 1701
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-923-29

Query Match      78.6%; Score 33; DB 12; Length 1701;
Best Local Similarity 41.7%; Pred. No. 2.1e+02;
Matches 5; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy      1 CTXSSXXCXXXT 12
Db      1403 CTTTTCATATT 1414

RESULT 11
US-10-141-756-29
; Sequence 29, Application US/10141756
; Publication No. US20030207359A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C200
; CURRENT APPLICATION NUMBER: US/10/141.756
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 29
; LENGTH: 1701
; TYPE: DNA
; ORGANISM: Homo Sapien
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US-10-140-472-179
: Sequence 179, Application US/10140472

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; Publication No. US2003013888A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gertitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C168
; CURRENT APPLICATION NUMBER: US/10/140,472
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 179
; LENGTH: 2134
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 2108
; OTHER INFORMATION: unknown base
US-10-140-472-179

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Query Match      78.6%; Score 33; DB 12; Length 2134;
Best Local Similarity 41.7%; Pred. No. 2.5e+02;
Matches 5; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY      1 CTXSSXXCXXXT 12
Db      440 CTATTCTAAAT 451

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Search completed: December 1, 2003, 07:29:00
Job time : 40.8049 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: December 1, 2003, 07:18:41 ; Search time 79.6098 Seconds
(without alignments)
55.604 Million cell updates/sec

Title: US-10-032-658-4

Perfect score: 131

Sequence: 1 XCTGXADTCTXACTGCGXCPNA 24

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 673684 seqs, 184443283 residues

Total number of hits satisfying chosen parameters: 673684

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Published Applications AA.*

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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
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15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
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18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	126	96.2	124	14	US-10-032-658-17
2	126	96.2	124	14	US-10-032-658-19
3	126	96.2	148	14	US-10-032-658-15
4	124	94.7	24	14	US-10-032-658-4
5	124	94.7	112	14	US-10-032-658-11
6	124	94.7	112	14	US-10-032-658-13
7	83	63.4	1750	12	US-10-140-472-187
8	83	63.4	1750	12	US-10-141-761-187
9	83	63.4	1750	12	US-10-142-885-187
10	83	63.4	1750	12	US-10-158-790-187
11	83	63.4	1750	12	US-10-137-871-187
12	83	63.4	1750	12	US-10-140-805-187
13	83	63.4	1750	12	US-10-140-864-187
14	83	63.4	1750	12	US-10-140-923-187
15	83	63.4	1750	12	US-10-141-756-187

16	83	63.4	1750	12	US-10-141-759-187
17	83	63.4	1750	15	US-10-184-644-397
18	83	63.4	1750	15	US-10-184-634-397
19	83	63.4	1750	15	US-10-123-155-187
20	83	63.4	1750	15	US-10-146-731-187
21	82.5	63.0	4842	15	US-10-184-644-289
22	82.5	63.0	4842	15	US-10-184-634-289
23	80	61.1	1743	12	US-10-063-685-75
24	80	61.1	2272	15	US-10-184-644-345
25	80	61.1	2272	15	US-10-184-634-345
26	80	61.1	3721	12	US-10-140-472-543
27	80	61.1	3721	12	US-10-141-761-543
28	80	61.1	3721	12	US-10-142-885-543
29	80	61.1	3721	12	US-10-158-790-543
30	80	61.1	3721	12	US-10-137-871-543
31	80	61.1	3721	12	US-10-140-805-543
32	80	61.1	3721	12	US-10-140-864-543
33	80	61.1	3721	12	US-10-140-923-543
34	80	61.1	3721	12	US-10-141-756-543
35	80	61.1	3721	12	US-10-141-759-543
36	80	61.1	3721	15	US-10-123-155-543
37	80	61.1	3721	16	US-10-146-731-543
38	78.5	59.9	1312	12	US-10-140-472-397
39	78.5	59.9	1312	12	US-10-141-761-397
40	78.5	59.9	1312	12	US-10-142-885-397
41	78.5	59.9	1312	12	US-10-158-790-397
42	78.5	59.9	1312	12	US-10-137-871-397
43	78.5	59.9	1312	12	US-10-140-805-397
44	78.5	59.9	1312	12	US-10-140-864-397
45	78.5	59.9	1312	12	US-10-140-923-397

ALIGNMENTS

RESULT 1

US-10-032-658-17
; Sequence 17, Application US/10032658
; Publication No. US20020165383A1

GENERAL INFORMATION:

APPLICANT: Graham, Laurie A.
Liou, Yih-Cherng
Walker, Virginia K.

Davies, Peter L.

TITLE OF INVENTION: Tenebrio Antifreeze Proteins
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESSES:

ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
City: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/032,658

FILING DATE: 02-Jan-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/882,907

FILING DATE: 26-JUN-1997

ATTORNEY/AGENT INFORMATION:

NAME: Weber, Kenneth A.

REGISTRATION NUMBER: 31,677

REFERENCE/DOCKET NUMBER: 016252-002100US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 17:

SEQUENCE CHARACTERISTICS:
LENGTH: 124 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-10-032-658-17

Query Match 96.2%; Score 126; DB 14; Length 124;
Best Local Similarity 87.0%; Pred. No. 1.9e-08;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 CTGXADCTCTACTGCGXCPNA 24
||| ||||| ||||| |||||
Db 30 CTGADCTCTACTGCGSCPNA 52

RESULT 2

US-10-032-658-19
; Sequence 19, Application US/10032658
; Publication No. US20020165383A1
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; Liou, Yih-Cherng
; Walker, Virginia K.
; Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/032,658
; FILING DATE: 02-Jan-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 124 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 19:

US-10-032-658-19

Query Match 96.2%; Score 126; DB 14; Length 124;
Best Local Similarity 87.0%; Pred. No. 1.9e-08;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 CTGXADCTCTACTGCGXCPNA 24
||| ||||| ||||| |||||
Db 30 CTGADCTCTACTGCGSCPNA 52

RESULT 3

US-10-032-658-15
; Sequence 15, Application US/10032658
; Publication No. US20020165383A1
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; Liou, Yih-Cherng
; Walker, Virginia K.
; Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/032,658
; FILING DATE: 02-Jan-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/882,907
; FILING DATE: 26-JUN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 016252-002100US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 148 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:
U -10-032-658-15

Query Match 96.2%; Score 126; DB 14; Length 148;
Best Local Similarity 87.0%; Pred. No. 2.3e-08;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 CTGXADCTCTACTGCGXCPNA 24
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Db 30 CTGADCTCTACTGCGSCPNA 52

RESULT 4

US-10-032-658-4
; Sequence 4, Application US/10032658
; Publication No. US20020165383A1
; GENERAL INFORMATION:
; APPLICANT: Graham, Laurie A.
; Liou, Yih-Cherng
; Walker, Virginia K.
; Davies, Peter L.
; TITLE OF INVENTION: Tenebrio Antifreeze Proteins
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:

US-10-032-658-4

QY 2 CTGXADCTCTACTGCGXCPNA 24
||| ||||| ||||| |||||
Db 30 CTGADCTCTACTGCGSCPNA 52

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/
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/   APPLICATION NUMBER: US/10/032,658
/   FILING DATE: 02-Jan-2002
/   CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/   APPLICATION NUMBER: US/08/882,907
/   FILING DATE: 26-JUN-1997
/ ATTORNEY/AGENT INFORMATION:
/   NAME: Weber, Kenneth A.
/   REGISTRATION NUMBER: 31,677
/ REFERENCE/DOCKET NUMBER: 016252-002100US
/ TELECOMMUNICATION INFORMATION:
/   TELEPHONE: (415) 576-0200
/   TELEFAX: (415) 576-0300
/ INFORMATION FOR SEQ ID NO: 4:
/   SEQUENCE CHARACTERISTICS:
/     LENGTH: 24 amino acids
/     TYPE: amino acid
/     STRANDEDNESS: <Unknown>
/     TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ FEATURE:
/   NAME/KEY: Peptide
/   LOCATION: 1..24
/   OTHER INFORMATION: /note= "N-terminal amino acid sequence
/     of YL-1, YL-2, YL-3 and YL-4"
/ FEATURE:
/   NAME/KEY: Modified-site
/   LOCATION: 1
/   OTHER INFORMATION: /product= "OTHER"
/     /note= "Xaa = Gln or His"
/ FEATURE:
/   NAME/KEY: Modified-site
/   LOCATION: 5
/   OTHER INFORMATION: /product= "OTHER"
/     /note= "Xaa = Ala or Gly"
/ FEATURE:
/   NAME/KEY: Modified-site
/   LOCATION: 13
/   OTHER INFORMATION: /product= "OTHER"
/     /note= "Xaa = Ala, Asp or Gly"
/ FEATURE:
/   NAME/KEY: Modified-site
/   LOCATION: 20
/   OTHER INFORMATION: /product= "OTHER"
/     /note= "Xaa = Asn or Ser"
/ SEQUENCE DESCRIPTION: SEQ ID NO: 4:
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/ US-10-032-658-4
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/ Query Match 94.7%; Score 124; DB 14; Length 24;
/ Best Local Similarity 100.0%; Pred. No. 8.4e-09;
/ Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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/ QY 2 CTGXADCTCTXACTGCGXCPNA 24
/   |||||
/ Db 2 CTGXADCTCTXACTGCGXCPNA 24
/
/ RESULT 5
/ US-10-032-658-11
/ Sequence 11, Application US/10032658
/ Publication No. US20020165383A1
/ GENERAL INFORMATION:
/ APPLICANT: Graham, Laurie A.
/           Liou, Yih-Cherng
/           Davies, Peter L.
/ TITLE OF INVENTION: Tenebrio Antifreeze Proteins
/ NUMBER OF SEQUENCES: 22
/
```

```
/
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Townsend and Townsend and Crew LLP
/ STREET: Two Embarcadero Center, Eighth Floor
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94111-3834
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/   APPLICATION NUMBER: US/10/032,658
/   FILING DATE: 02-Jan-2002
/   CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/   APPLICATION NUMBER: US/08/882,907
/   FILING DATE: 26-JUN-1997
/ ATTORNEY/AGENT INFORMATION:
/   NAME: Weber, Kenneth A.
/   REGISTRATION NUMBER: 31,677
/ REFERENCE/DOCKET NUMBER: 016252-002100US
/ TELECOMMUNICATION INFORMATION:
/   TELEPHONE: (415) 576-0200
/   TELEFAX: (415) 576-0300
/ INFORMATION FOR SEQ ID NO: 11:
/   SEQUENCE CHARACTERISTICS:
/     LENGTH: 112 amino acids
/     TYPE: amino acid
/     TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ SEQUENCE DESCRIPTION: SEQ ID NO: 11:
/
/ US-10-032-658-11
/
/ Query Match 94.7%; Score 124; DB 14; Length 112;
/ Best Local Similarity 87.0%; Pred. No. 3.1e-08;
/ Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
/
/ QY 2 CTGXADCTCTXACTGCGXCPNA 24
/   |||||
/ Db 30 CTGGADCTCTDCTACTGCGNCPNA 52
/
/ RESULT 6
/ US-10-032-658-13
/ Sequence 13, Application US/10032658
/ Publication No. US20020165383A1
/ GENERAL INFORMATION:
/ APPLICANT: Graham, Laurie A.
/           Liou, Yih-Cherng
/           Walker, Virginia K.
/           Davies, Peter L.
/ TITLE OF INVENTION: Tenebrio Antifreeze Proteins
/ NUMBER OF SEQUENCES: 22
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Townsend and Townsend and Crew LLP
/ STREET: Two Embarcadero Center, Eighth Floor
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94111-3834
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: IBM PC compatible
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/   APPLICATION NUMBER: US/10/032,658
/   FILING DATE: 02-Jan-2002
/   CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/   APPLICATION NUMBER: US/08/882,907
/
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; APPLICANT: Stewart,Timothy A.
; APPLICANT: Tumas,Daniel
; APPLICANT: Watanabe,Colin K
; APPLICANT: Wood,William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C153
; CURRENT APPLICATION NUMBER: US/10/137,871
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 187
; LENGTH: 1750
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-137-871-187

Query Match 63.4%; Score 83; DB 12; Length 1750;
Best Local Similarity 72.2%; Pred.No. 0.03;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 CTGXADCTCTXACTGCG 19
DB 264 CTGAAACTTCTGACTACG 281

RESULT 12
US-10-140-805-187
; Sequence 187, Application US/10140805
; Publication No. US20030207417A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Denoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C176
; CURRENT APPLICATION NUMBER: US/10/140,805
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 187
; LENGTH: 1750
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-805-187

Query Match 63.4%; Score 83; DB 12; Length 1750;
Best Local Similarity 72.2%; Pred.No. 0.03;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 CTGXADCTCTXACTGCG 19
DB 264 CTGAAACTTCTGACTACG 281

RESULT 13
US-10-140-805-187

```


GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: December 1, 2003, 07:18:41 ; Search time 53.0732 Seconds
(without alignments)
55.604 Million cell updates/sec

Title: US-10-032-658-3

Perfect score: 64

Sequence: 1 XCTXXXCTXCTXCT 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 673684 seqs, 184443283 residues

Total number of hits satisfying chosen parameters: 673684

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/prodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/prodata/1/pubpaa/ECT_NEW_PUB.pep.*
3: /cgn2_6/prodata/1/pubpaa/US05_NEW_PUB.pep.*
4: /cgn2_6/prodata/1/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/prodata/1/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/prodata/1/pubpaa/ECTUS_PUBCOMB.pep.*
7: /cgn2_6/prodata/1/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/prodata/1/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/prodata/1/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/prodata/1/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/prodata/1/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/prodata/1/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/prodata/1/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/prodata/1/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/prodata/1/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/prodata/1/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/prodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	55	85.9	2477	12	US-10-140-472-331
2	55	85.9	2477	12	US-10-141-761-331
3	55	85.9	2477	12	US-10-142-885-331
4	55	85.9	2477	12	US-10-158-790-331
5	55	85.9	2477	12	US-10-137-871-331
6	55	85.9	2477	12	US-10-140-805-331
7	55	85.9	2477	12	US-10-140-864-331
8	55	85.9	2477	12	US-10-140-923-331
9	55	85.9	2477	12	US-10-141-756-331
10	55	85.9	2477	12	US-10-141-759-331
11	55	85.9	2477	12	US-10-123-155-331
12	55	85.9	2477	16	US-10-146-731-331
13	54	84.4	148	14	US-10-032-658-15
14	54	84.4	539	15	US-10-184-644-531
15	54	84.4	539	15	US-10-184-634-531

16	54	84.4	630	11	US-09-791-279-86	Sequence 86, Appl
17	54	84.4	1750	12	US-10-140-472-187	Sequence 187, App
18	54	84.4	1750	12	US-10-141-761-187	Sequence 187, App
19	54	84.4	1750	12	US-10-142-885-187	Sequence 187, App
20	54	84.4	1750	12	US-10-158-790-187	Sequence 187, App
21	54	84.4	1750	12	US-10-137-871-187	Sequence 187, App
22	54	84.4	1750	12	US-10-140-805-187	Sequence 187, App
23	54	84.4	1750	12	US-10-140-864-187	Sequence 187, App
24	54	84.4	1750	12	US-10-140-923-187	Sequence 187, App
25	54	84.4	1750	12	US-10-141-756-187	Sequence 187, App
26	54	84.4	1750	12	US-10-141-759-187	Sequence 187, App
27	54	84.4	1750	15	US-10-184-644-397	Sequence 397, App
28	54	84.4	1750	15	US-10-184-634-397	Sequence 397, App
29	54	84.4	1750	15	US-10-123-155-187	Sequence 187, App
30	54	84.4	1750	16	US-10-146-731-187	Sequence 187, App
31	54	84.4	2128	15	US-10-184-644-171	Sequence 171, App
32	54	84.4	2128	15	US-10-184-634-171	Sequence 171, App
33	53	82.8	124	14	US-10-032-658-17	Sequence 17, Appl
34	53	82.8	124	14	US-10-032-658-19	Sequence 19, Appl
35	53	82.8	1917	15	US-10-184-644-159	Sequence 159, App
36	53	82.8	1917	15	US-10-184-634-159	Sequence 159, App
37	53	82.8	2120	12	US-10-140-472-73	Sequence 73, Appl
38	53	82.8	2120	12	US-10-141-761-73	Sequence 73, Appl
39	53	82.8	2120	12	US-10-142-885-73	Sequence 73, Appl
40	53	82.8	2120	12	US-10-158-790-73	Sequence 73, Appl
41	53	82.8	2120	12	US-10-137-871-73	Sequence 73, Appl
42	53	82.8	2120	12	US-10-140-805-73	Sequence 73, Appl
43	53	82.8	2120	12	US-10-140-864-73	Sequence 73, Appl
44	53	82.8	2120	12	US-10-140-923-73	Sequence 73, Appl
45	53	82.8	2120	12	US-10-141-756-73	Sequence 73, Appl

ALIGNMENTS

RESULT 1
US-10-140-472-331
; Sequence 331, Application US/10140472
; Publication No. US2003013888A1

; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tamas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C168

; CURRENT APPLICATION NUMBER: US/10/140,472

; CURRENT FILING DATE: 2002-05-06

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 331

; LENGTH: 2477

; TYPE: DNA

; ORGANISM: Homo Sapien

; US-10-140-472-331

Query Match 85.9%; Score 55; DB 12; Length 2477;
Best Local Similarity 53.3%; Pred. No. 6.7;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 2 CTXXXXCTXCTXXCT 16
||| ||| ||| |||
Db 1581 CTTTGTCTACTTTCT 1595

RESULT 2

US-10-141-761-331
; Sequence 331, Application US/10141761
; Publication No. US20030148432A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RIC198
; CURRENT APPLICATION NUMBER: US/10/141,761
; CURRENT FILING DATE: 2002-05-08
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 331
; LENGTH: 2477
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-141-761-331

Query Match 85.9%; Score 55; DB 12; Length 2477;
Best Local Similarity 53.3%; Pred. No. 6.7;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 2 CTXXXXCTXCTXXCT 16
||| ||| ||| |||
Db 1581 CTTTGTCTACTTTCT 1595

RESULT 3

US-10-142-885-331
; Sequence 331, Application US/10142885
; Publication No. US20030157604A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330RIC248
; CURRENT APPLICATION NUMBER: US/10/142,885
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 331
; LENGTH: 2477
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-142-885-331

Query Match 85.9%; Score 55; DB 12; Length 2477;
Best Local Similarity 53.3%; Pred. No. 6.7;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 2 CTXXXXCTXCTXXCT 16
||| ||| ||| |||
Db 1581 CTTTGTCTACTTTCT 1595

RESULT 4

US-10-158-790-331
; Sequence 331, Application US/10158790
; Publication No. US20030180879A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330RIC448
; CURRENT APPLICATION NUMBER: US/10/158,790
; CURRENT FILING DATE: 2002-05-30
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 331
; LENGTH: 2477
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-158-790-331

Query Match 85.9%; Score 55; DB 12; Length 2477;
Best Local Similarity 53.3%; Pred. No. 6.7;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 2 CTXXXXCTXCTXXCT 16
||| ||| ||| |||
Db 1581 CTTTGTCTACTTTCT 1595

RESULT 5

US-10-137-871-331
; Sequence 331, Application US/10137871
; Publication No. US20030207350A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura

```

; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C153
; CURRENT APPLICATION NUMBER: US/10/137,871
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 331
; LENGTH: 2477
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-137-871-331

Query Match      85.9%; Score 55; DB 12; Length 2477;
Best Local Similarity 53.3%; Pred. No. 6.7;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      2 CTXXXCTCTCTTCT 1595
Db      1581 CTTTGTCTACTTTCT 1595

RESULT 6
US-10-140-805-331
; Sequence 331, Application US/10140805
; Publication No. US20030207417A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C176
; CURRENT APPLICATION NUMBER: US/10/140,805
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 331
; LENGTH: 2477
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-805-331

Query Match      85.9%; Score 55; DB 12; Length 2477;
Best Local Similarity 53.3%; Pred. No. 6.7;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      2 CTXXXCTCTCTTCT 1595
Db      1581 CTTTGTCTACTTTCT 1595

US-10-140-805-331
; Sequence 331, Application US/10140805
; Publication No. US20030207417A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C176
; CURRENT APPLICATION NUMBER: US/10/140,805
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 331
; LENGTH: 2477
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-805-331

Query Match      85.9%; Score 55; DB 12; Length 2477;
Best Local Similarity 53.3%; Pred. No. 6.7;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      2 CTXXXCTCTCTTCT 1595
Db      1581 CTTTGTCTACTTTCT 1595

US-10-140-805-331
; Sequence 331, Application US/10140805
; Publication No. US20030207417A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C184
; CURRENT APPLICATION NUMBER: US/10/140,864
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 331
; LENGTH: 2477
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-864-331
```

```

Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      2 CTXXXCTCTCTTCT 16
Db      1581 CTTTGTCTACTTTCT 1595

RESULT 7
US-10-140-864-331
; Sequence 331, Application US/10140864
; Publication No. US20030207419A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C184
; CURRENT APPLICATION NUMBER: US/10/140,864
; CURRENT FILING DATE: 2002-05-07
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 331
; LENGTH: 2477
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-140-864-331

Query Match      85.9%; Score 55; DB 12; Length 2477;
Best Local Similarity 53.3%; Pred. No. 6.7;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      2 CTXXXCTCTCTTCT 16
Db      1581 CTTTGTCTACTTTCT 1595

RESULT 8
US-10-140-923-331
; Sequence 331, Application US/10140923
; Publication No. US20030207355A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
```


; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C188

; CURRENT APPLICATION NUMBER: US/10/140,923

; CURRENT FILING DATE: 2002-05-07

; Prior Application removed - See Palm or File Wrapper

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 331

; LENGTH: 2477

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-140-923-331

Query Match 85.9%; Score 55; DB 12; Length 2477;

Best Local Similarity 53.3%; Pred. No. 6.7;

Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2 CTXXXCTCTCTTCT 16

Db 1581 CTTGTCTACTTCT 1595

RESULT 9

US-10-141-756-331

; Sequence 331, Application US/10141756

; Publication No. US20030207359A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C200

; CURRENT APPLICATION NUMBER: US/10/141,756

; CURRENT FILING DATE: 2002-05-08

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 331

; LENGTH: 2477

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-141-756-331

Query Match 85.9%; Score 55; DB 12; Length 2477;

Best Local Similarity 53.3%; Pred. No. 6.7;

Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2 CTXXXCTCTCTTCT 16

Db 1581 CTTGTCTACTTCT 1595

RESULT 10

US-10-141-759-331

; Sequence 331, Application US/10141759

; Publication No. US20030207361A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C197

; CURRENT APPLICATION NUMBER: US/10/141,759

; CURRENT FILING DATE: 2002-05-08

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 331

; LENGTH: 2477

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-141-759-331

Query Match 85.9%; Score 55; DB 12; Length 2477;

Best Local Similarity 53.3%; Pred. No. 6.7;

Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2 CTXXXCTCTCTTCT 16

Db 1581 CTTGTCTACTTCT 1595

RESULT 11

US-10-123-155-331

; Sequence 331, Application US/10123155

; Publication No. US20030068794A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3330R1C30

; CURRENT APPLICATION NUMBER: US/10/123,155

; CURRENT FILING DATE: 2002-04-15

; Prior Application removed - See Palm or File Wrapper

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 331

; LENGTH: 2477

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-123-155-331

Query Match 85.9%; Score 55; DB 15; Length 2477;

Best Local Similarity 53.3%; Pred. No. 6.7;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2 CTXXXCTCTXXCT 16
||| ||| ||| |||
Db 1581 CTTTGCTACTTCT 1595

RESULT 12

US-10-146-731-331
; Sequence 331, Application US/10146731

; Publication No. US20030129692A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Beresini, Maureen

; APPLICANT: DeForge, Laura

; APPLICANT: Desnoyers, Luc

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Sherwood, Steven

; APPLICANT: Smith, Victoria

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K

; APPLICANT: Wood, William

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: F330R1C323

; CURRENT APPLICATION NUMBER: US/10/146,731

; PRIOR FILING DATE: 2002-05-15

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 550

; SEQ ID NO 331

; LENGTH: 2477

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-146-731-331

Query Match 85.9%; Score 55; DB 16; Length 2477;
Best Local Similarity 53.3%; Pred. No. 6.7;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2 CTXXXCTCTXXCT 16
||| ||| ||| |||
Db 1581 CTTTGCTACTTCT 1595

RESULT 13

US-10-032-658-15

; Sequence 15, Application US/10032658

; Publication No. US20020165383A1

; GENERAL INFORMATION:

; APPLICANT: Graham, Laurie A.

; APPLICANT: Liou, Yih-Cherng

; APPLICANT: Walker, Virginia K.

; APPLICANT: Davies, Peter L.

; TITLE OF INVENTION: Tenebrio Antifreeze Proteins

; NUMBER OF SEQUENCES: 22

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Townsend and Crew LLP

; STREET: Two Embarcadero Center, Eighth Floor

; CITY: San Francisco

; STATE: California

; COUNTRY: USA

; ZIP: 94111-3834

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/032,658

FILING DATE: 02-Jan-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/882,907

FILING DATE: 26-JUN-1997

ATTORNEY/AGENT INFORMATION:

NAME: Weber, Kenneth A.

REGISTRATION NUMBER: 31,677

REFERENCE/DOCKET NUMBER: 016252-002100US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 148 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 15:

US-10-032-658-15

Query Match 84.4%; Score 54; DB 14; Length 148;
Best Local Similarity 53.3%; Pred. No. 1.2;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2 CTXXXCTCTXXCT 16
||| ||| ||| |||
Db 30 CTGAADCTCTAACT 44

RESULT 14

US-10-184-644-531

; Sequence 531, Application US/10184644

; Publication No. US20030044930A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: F3430R1C227

; CURRENT APPLICATION NUMBER: US/10/184,644

; CURRENT FILING DATE: 2002-06-28

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 531

; LENGTH: 539

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-184-644-531

Query Match 84.4%; Score 54; DB 15; Length 539;
Best Local Similarity 53.3%; Pred. No. 3.1;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2 CTXXXCTCTXXCT 16
||| ||| ||| |||
Db 212 CTGATTCTCTGTCT 226

RESULT 15

US-10-184-634-531
; Sequence 531, Application US/10184634
; Publication No. US20030068684A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: F34301C217
; CURRENT APPLICATION NUMBER: US/10/184,634
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 531
; LENGTH: 539
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-634-531

Query Match 84.4%; Score 54; DB 15; Length 539;
Best Local Similarity 53.3%; Pred No. 3.1;
Matches 8; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2 CTXXXCTCTCTCTCT 16
|| || || || ||
Db 212 CTGATCTCTCTCTCT 226

Search completed: December 1, 2003, 07:29:00
Job time : 53.0732 secs